

ALPINE®

Car Audio and Communication Systems

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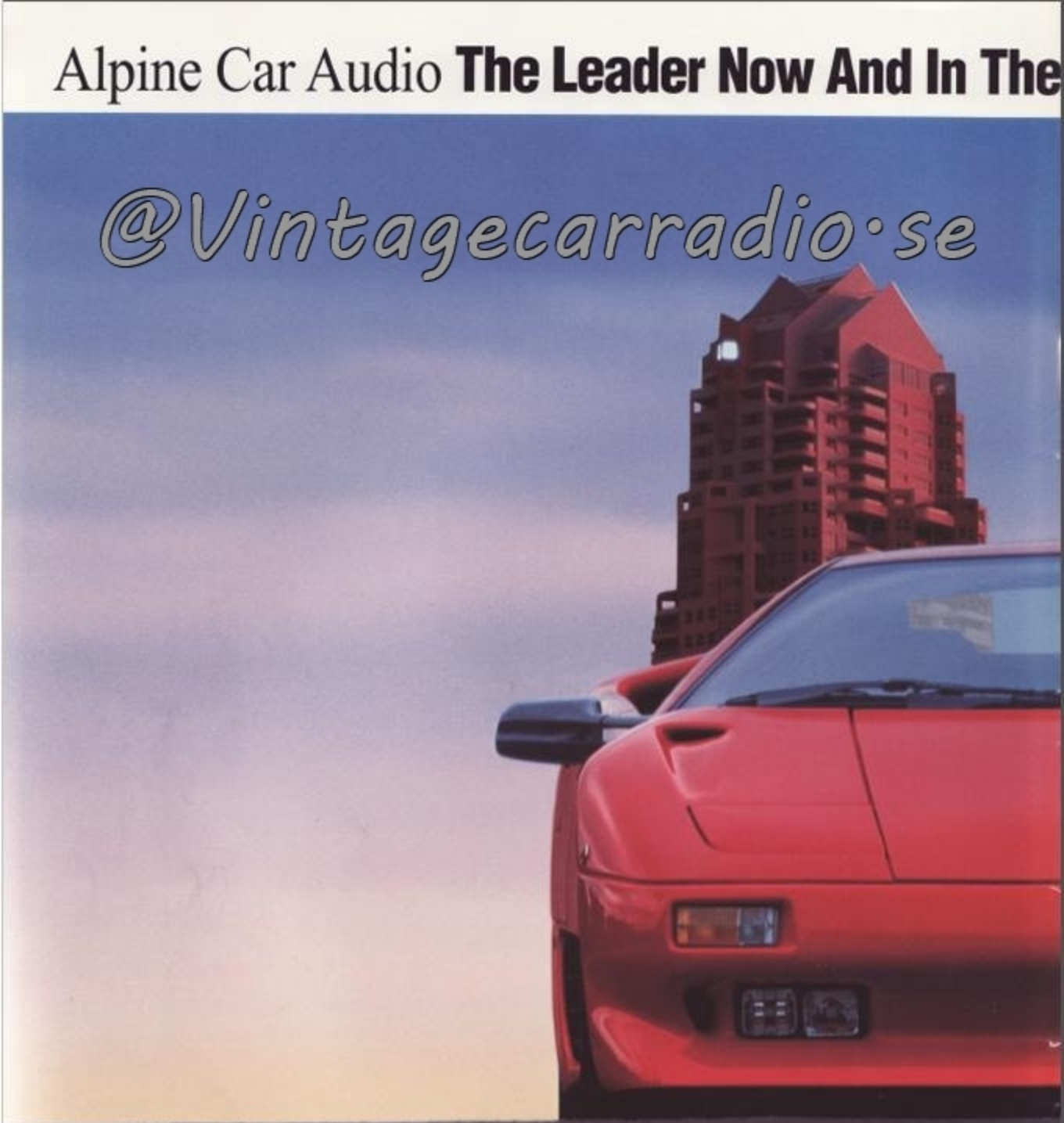
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Alpine Car Audio **The Leader Now And In The**

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*Over the years, the Alpine name has come to symbolize many things.
The highest levels of quality. Innovative design.
Dynamic performance. In short, leadership in the car audio field.
Having just begun our second 25 years, we have re-dedicated ourselves
to producing the finest car audio in the world.*

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Future.

Design Leadership

ALPINE

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With exciting new designs, more powerful systems and a broader selection of models. But one thing remains the same.

The Alpine spirit, symbolized by our corporate image car: the Lamborghini Diablo.

The Diablo is the world's most thrilling, stylish, high-performance sports car.

And we think that's also an accurate description of Alpine car audio.

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Alpine
Design Leadership

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**Alpine Advances in Car Audio Design,
Smarter Styling,
Easier Operation.**

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MODEL 7807R

Alpine car audio has a reputation for top sound quality and design excellence. We're proud of that, but we're far from content. We're continually researching and experimenting to find ways of improving our products. Not just new functions and cosmetic changes, but basic design innovations that really make our units easier and more enjoyable to use. When you see an Alpine product, we want you to say, "Now that's a great idea!" Two units that we think achieve this goal are shown above: the 7525R Radio/Cassette Player and the 7807R Radio/CD Player. Here are a few of the design innovations that make Alpine car audio so outstanding.

Quick Access Control (Q.A.C.): Alpine's award-winning revolution in control convenience. Your hand quickly locates the Q.A.C. by feel – you can then select your desired audio source and a variety of settings (volume, bass, treble, balance and fader). Mode adjustment can be done with a light touch.

Distortion Displays: The only car radio in the world that displays distortion in big, easy-to-read characters. Displays distortion levels in real time.

are designed for quick recognition. Proper light balance ensures good visibility at all times.

CD Shuttle Control: Most Alpine head units (radio cassette & CD player) can be connected to a CD Shuttle, allowing you to control the selection and playback of up to 6 CDs.

Front Panel Variety: Some manufacturers make all their buttons the same size; they think that makes the design "cleaner." In fact, it just makes selecting the one you want more difficult. Alpine buttons are different shapes and sizes, and their location is based on careful ergonomic research.

Detachable Front Panel: The most efficient, convenient way to upgrade your car stereo. The front panel can be removed and replaced with a new one in minutes. This is a great feature for those who want to upgrade their car stereo without the hassle of a full unit replacement.

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3D Shuttle

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**More Music in the Same Space.
Only from Alpine.**

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The 3D Shuttle is the world's only in-dash CD changer: more music at your fingertips.



A high performance laser-beam mechanism provides superb disc tracking.



The Alpine test course ensures that all models can handle jolts and vibration.



Improved microdampers prevent vibrations from reaching the tracking mechanism.



Magazines offer protection against dust and scratches, as well as convenient storage.



The 3D Shuttle's slim magazine holds 3 CDs in less space than 3 CD cases.



7980M TUNER/3-DISC CHANGER

[CD CHANGER] DUAL 20-BIT HYBRID I-DACs • 8-TIMES OVERSAMPLING DIGITAL FILTER • GLITCHLESS & JITTER-FREE CIRCUITRY • Z-ACTION MECHANISM • DIGITAL EMPHASIS • 24-BIT DIGITAL NOISE SHAPING • M.I.X. (RANDOM PLAY) • MUSIC SENSOR • MUSIC SCAN • REPEAT • ELAPSED TIME DISPLAY • **[TUNER]** ETR/PLL SYNTHESIZER (FM/MW/LW) T1011S TUNER • MULTIPATH HUNTER • D.A.P. (6-STATION DIRECT ACCESS PRESET) • 24-STATION PRESET (12 FM, 6 MW, 6 LW) • INTELLIGENT PRESET SCAN • PRESET ADDRESS • AUTO MEMORY • LOCAL/DX SELECTION • STEREO/MONO SELECTION • **[GENERAL]** SOURCE TONE MEMORY • BASS & TREBLE CONTROLS • FADER & BALANCE CONTROLS • ELECTRONIC DETENT VOLUME CONTROL • AUDIO MUTING • DISPLAY DIMMER • GOLD-PLATED PIN JACKS • ANTI-THEFT Q.R.B. (QUICK RELEASE BRACKET) • CARD-SIZE REMOTE CONTROL INCLUDED



The 3D Shuttle is an example of Alpine innovation at its finest. Combining the best features of an in-dash CD player and a multidisc CD changer, the 3D Shuttle accepts 3 compact discs at a time. The discs are stored and loaded inside a slim magazine not much thicker than an ordinary CD case. So you have the convenience of multidisc selection, plus the convenience of loading new discs as you drive. And of course, the magazines protect your CDs and allow you to store more discs in less space. The discs are loaded by Alpine's exclusive Z-Action Mechanism - it's smooth, fast and reliable. Sound quality is first rate as well, thanks to Dual 20-bit Hybrid I-DACs and other Alpine top-of-the-line technology. Both the CD changer and tuner offer a great listening experience. The 3D Shuttle is a great addition to your car's audio system.

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Pure Power

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**Total System Quality
for Maximum Music Enjoyment.**

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Digital Link

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It's important to remember that a car audio system is more than just a radio/cassette player and/or CD player. Speakers also play an extremely significant role in determining sound quality. And for optimum listening enjoyment, an amplifier and sound field controller should also be used. At Alpine, we feel that everyone should have the option of assembling a high performance system. Which is why we offer an extensive lineup of amps, sound field controllers and speakers to match every budget and type of installation. The more time you spend in your car, the better you want your audio system to sound. Put together a perfectly matched Alpine system and discover how much more pleasant driving can be.

AMPLIFIERS: Because an amplifier can make so much difference in car sound, it's well worth the extra investment. From our superb Class-A Amplification 1000, a very powerful multi-channel model, to high and medium power 2 channel

types. More power means cleaner, smoother reproduction, especially of wide dynamic range CD sound.

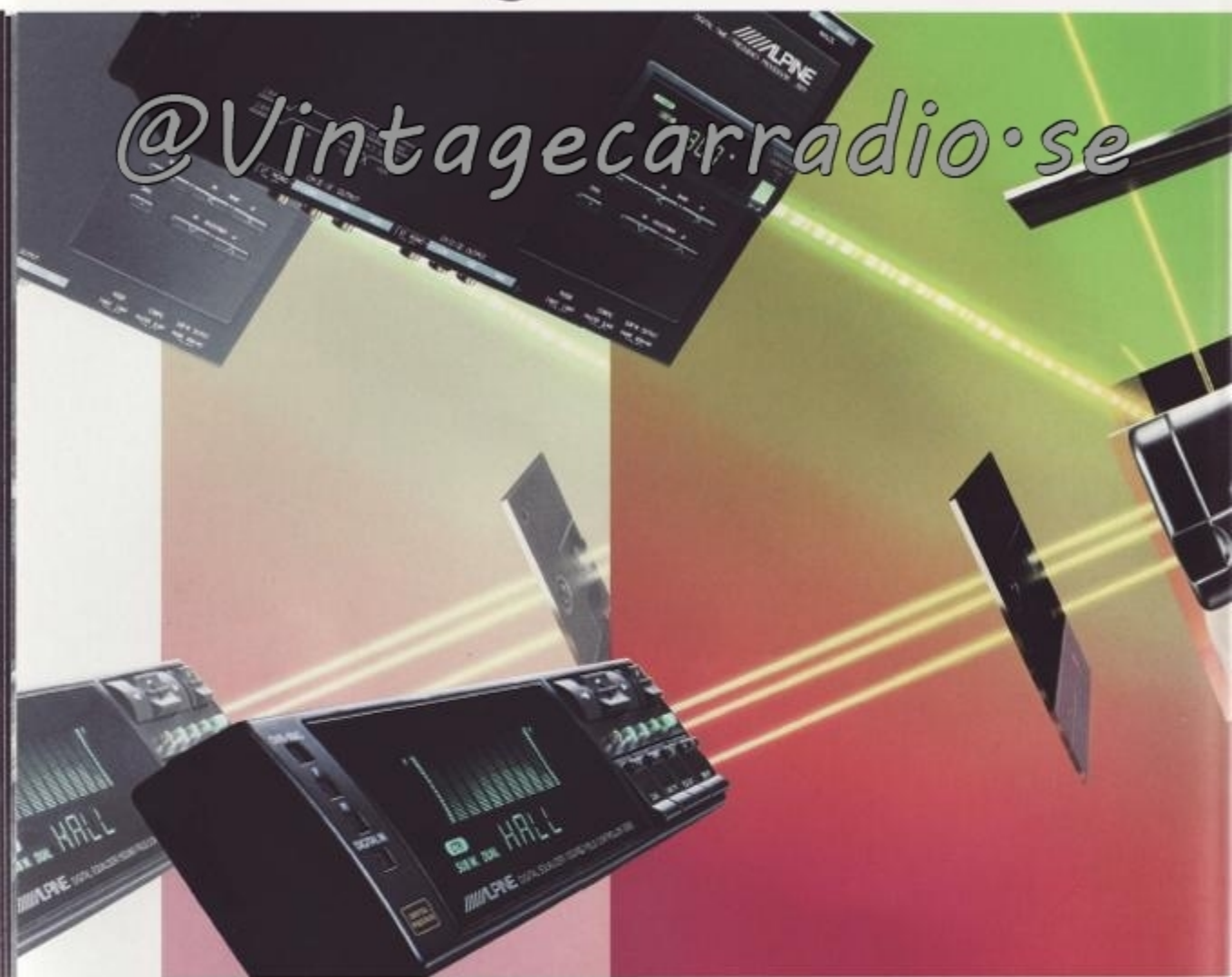
SOUND FIELD CONTROLLERS: Alpine's sound field controllers, including our graphic equalizers, rank among the most advanced audio components you can put in your car. They are designed to not only compensate for the car interior's poor acoustics, but to provide a level of thrillingly vibrant response that you never imagined could be possible inside your car.

SPEAKERS: No matter what type and combination of speakers you want, Alpine has them. Our six different speaker series are designed to meet every system and installation need. And since many people prefer powerful bass, we're introducing a new Bass Series this year. Best of all, every Alpine speaker uses the finest quality materials and components for a failingly excellent performance. In series or as a stand-alone unit, six different uses are available to complete your Alpine system.

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Digital Link

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**The Direct Digital Route
to Optimum Sound Purity.**



Digital Link systems provide optimum signal transmission, ensuring highest performance.

For the ultimate in control, sophistication and sound purity.

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Everyone agrees that processing audio signals digitally is superior to analog methods. The degree of precision and control that digital systems allow results in much higher levels of reproduction accuracy. Most people are familiar with compact disc systems, but may not realize that the benefits of digital technology can be extended still further. This is precisely what Alpine has accomplished with our Digital Link concept. Rather than processing the signal digitally, then transmitting it in analog form, our top-of-the-line models have digital inputs and outputs for optical (light-wave) transmission of the unaltered digital signal. Because digital signals are more robust than analog signals, and because optical signals are not subject to interference like electrical signals, the audio data is maintained in an extremely pure state along its journey through the audio system.

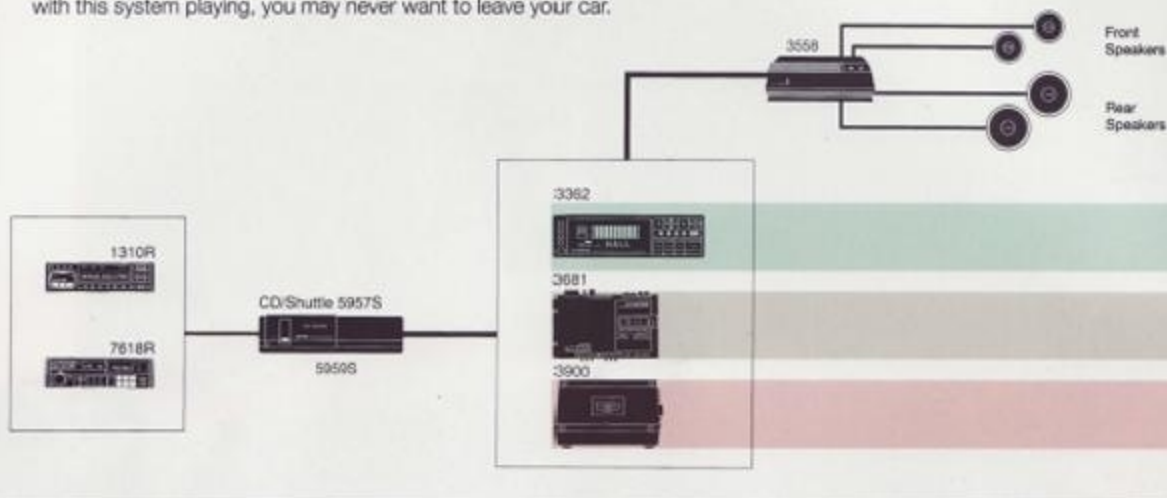
As a result, the sound that you hear is amazingly pure and clean – better, in fact, than most home audio systems are capable of producing.

Another way we're bringing you the benefits of digital technology is with sophisticated new products. Our 3900 Fluency DAC is an independent DAC unit for those who want nothing less than audio perfection. The 3681 Digital Time/Frequency Processor is the ultimate in system fine-tuning. And the 3362 Digital Equalizer/Sound Field Controller gives you an astounding range of control over the audio environment inside your car. These products are explained in more detail on page 13. Digital Link is the final step that allows Alpine to realize total system quality from input to output, so you're sure of getting maximum sound enjoyment.

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TOP-FLIGHT DIGITAL LINK SYSTEM

The most exciting way to put together a high-performance Alpine Digital Link system, you'll be sharing the fun with your Sport with the 5957S or 5959S CD Shuttle for music enjoyment, then add the 1310R Tuner/CD Shuttle Controller or the 7618R Radio/Cassette Player. Link this to the 3362 Digital Equalizer/Sound Field Controller, or alternatively to the 3900 Fluency DAC or 3681 Digital Time/Frequency Processor, depending on your system preferences. The unrivalled 3558 Class A amp and high quality BB (Reference) Series front and rear speakers complete the arrangement. A word of warning: with this system playing, you may never want to leave your car.



Digital Link Controllers

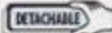
1310R
RADIO/CD
SHUTTLE
CONTROLLER



The 1310R is a high-quality, multi-functional tuner that also gives you the ability to control a variety of CD Shuttle functions. It offers optical digital linkage to the 5959S and 5957S CD Shuttles, as well as to the 3362, 3900 or 3681, for use in a reference-level system. With RDS and Intro Memory, this is an unusually versatile unit.



TUNER ETR/PLL SYNTHESIZER "MAX TUNE" TUNER • RDS with EON/PTY • D.A.P. (6-STATION DIRECT ACCESS PRESET) • 24-STATION PRESET • AUTO MEMORY • DYNAS CD • CD SHUTTLE CONTROL • INTRO MEMORY lets you hear the first five seconds of each loaded disc without having to wait for the discs to change • CD TITLE MEMORY for 42 disc titles • GENERAL Q.A.C. • SOURCE TONE MEMORY • LOUDNESS • CLOCK • DUAL PRE-OUT • DETACHABLE FRONT PANEL



7618R
RADIO/CASSETTE
PLAYER WITH
CD SHUTTLE



Both of these high-end components enable convenient control of a digitally linked CD Shuttle/signal processor system. They do not have amplifier sections, allowing the extra space to be packed with circuitry that ensures the highest levels of tuner and cassette deck performance and digital link accuracy. With new and original features that enhance reliability and convenience, these models are ideal for use in a high-performance Digital Link system. Note: 7619R – as 7618R, but includes DYNAS Tuner.



[CASSETTE] FULL LOGIC CONTROL • HLTAC II TAPE HEAD • DOLBY B & C NR • AUTO METAL SELECTOR • PROGRAMMABLE SENSOR • BLANK SKIP • REPEAT • RETURN EJECT (TUNER) ETR/PLL SYNTHESIZER (FM/MW/LW) T-10HS TUNER • RDS • DYNAS (7619R) • MULTIPATH HUNTER • D.A.P. • 24-STATION PRESET (12 FM, 6 MW, 6 LW) • AUTO MEMORY • PRESET ADDRESS • LOCAL/DX SELECTION [GENERAL] CD SHUTTLE CONTROL • SOURCE TONE MEMORY • BASS & TREBLE CONTROLS • FADER & BALANCE CONTROLS • LOUDNESS • DIGITAL CLOCK • ANTI-THEFT Q.R.B. • CARD-SIZE REMOTE CONTROL INCLUDED

For the ultimate in control sophistication and sound purity.

Hands-on control of your listening environment.

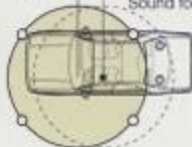
3300
DIGITAL EQUALIZER
SOURCE FILTER
CONTROLLER
DIGITAL LINK



A 9-band digital equalizer that can also optimize the sound field to match listener positions. Greatly enhances both system flexibility and sound enjoyment.

- ULTRA-FAST DSP (Digital Signal Processor) LSI
- 8 PAIRS OF HYBRID I-DACS
- LISTENING POSITION SELECTOR (Driver/Front passenger/Front seats/All)
- 4 SURROUND MODES (Hall/Church/Live/Stadium)
- 1 ANALOG, 3 OPTICAL DIGITAL INPUTS
- OUTPUTS for 8 speakers inc. subwoofer
- DUAL ILLUMINATION

Sound focus located in front of the driver
Sound focus centered on the driver



Fine-tuned, locked-in listening pleasure.

3681
DIGITAL TIME/
FREQUENCY
PROCESSOR
DIGITAL LINK



After installation by a car audio expert, the 3681 will do amazing things for your system. Its digital processor apportions each frequency range to the amp/speakers best suited to handle it, compensates for response variations within the car, provides superior cutoff slopes, allows free crossover point selection, and corrects individual channel time delays and levels for a degree of sound quality and realism hitherto unattainable.

- ULTRA-FAST DSP LSI handles 34 million instructions per second
- FLAT PHASE RESPONSE superior to analog crossover systems
- Crossover slope: Low 24dB/oct; Mid/High 18dB/oct
- HANDLES 2- or 3-CHANNEL FRONT/REAR SYSTEM for precise matching of speaker responses
- DIGITAL AND ANALOG INPUTS
- FADER/NON-FADER SUBWOOFER OUTPUT

Concert clarity in a mobile environment.

3900
FLUENCY D/A
CONVERTER
DIGITAL LINK



Unlike other DACs, the 3900 uses "fluency" coefficients to convert the digital signals directly into smoothly varying analog signals. Waveform fidelity is maintained, so quality is incredibly pure and natural.

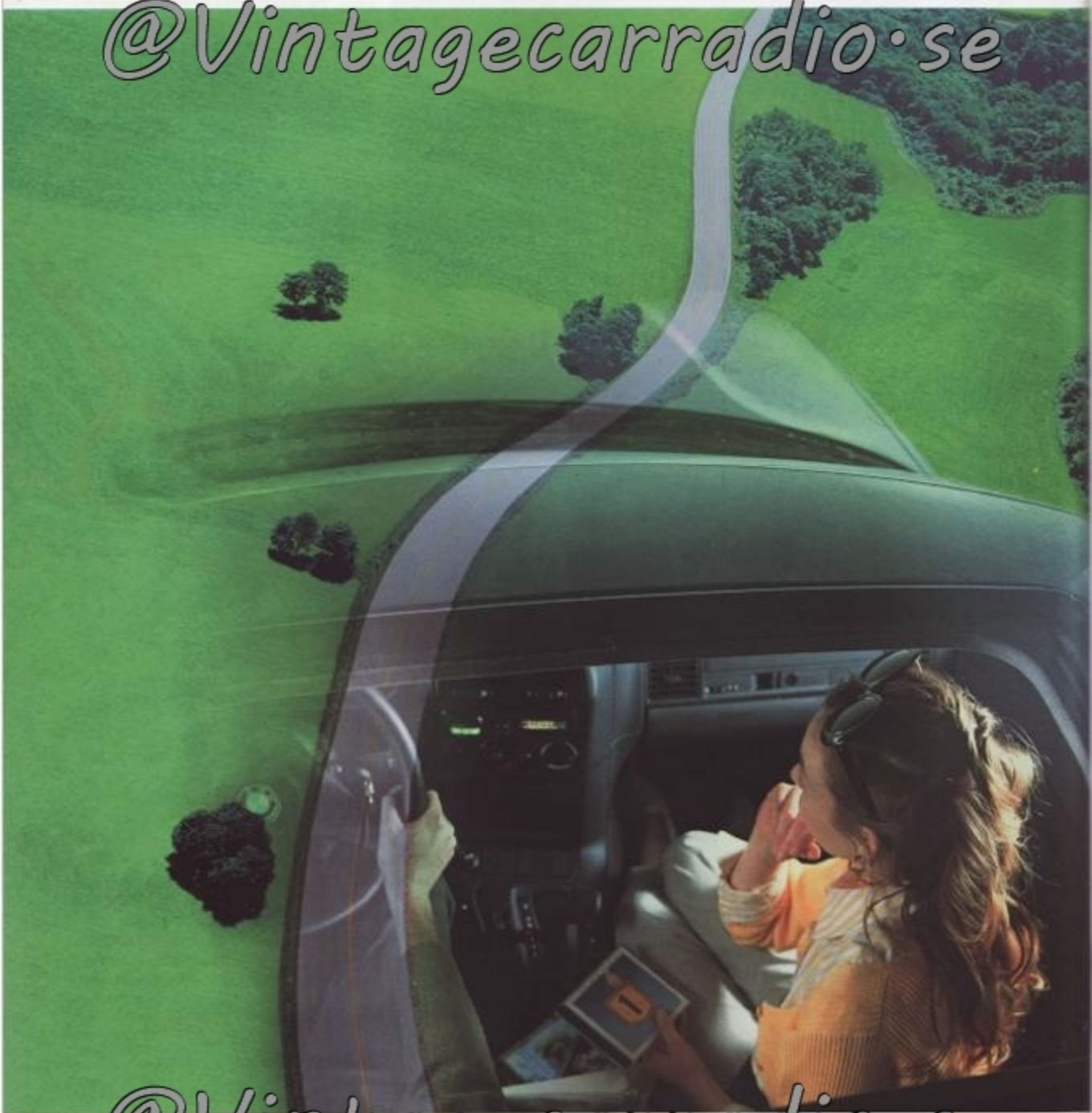
- SUPERIOR DYNAMIC CHARACTERISTICS for more faithful reproduction of brief transients
- SEPARATE DIGITAL/ANALOG SECTIONS
- IDEAL FOR CLASS-A AMPLIFICATION (3558 AMP)
- 3 DIGITAL INPUTS can handle 3 different sampling frequencies
- NON-FADER PRE-OUT TERMINALS for subwoofer



Unlike conventional DACs, the 3900 Fluency DAC extends frequency response out past 20kHz.

CD Shuttles/Players

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Detachable Front Panel

Removing the front panel also removes the threat of theft. A carrying case protects the panel in your pocket, briefcase or handbag.

M.I.X.

This function automatically plays the tracks in random order, giving a new flavour to old CDs.

Music Scan

Scans the disc, playing the first 10 seconds of each title.

Music Sensor

Advances the pickup to the beginning of the next or current track.

Noise Shaping

Suppresses digital quantization noise which can interfere with the music signal.

Alpine achieves new heights of sound purity, reliable performance and flexibility.

Although CD players are now quite common in cars, Alpine was one of the first to realize the format's potential for car audio. And over the years, we have put much effort into improving all aspects of CD player performance. With the result that our latest generation of models offers astoundingly good sound reproduction, as well as high power and trustworthily performance. We have improved disc loading, the rate of disc system integration and better the level and link of the auto-locking Detach-Off Function. The system is more secure as well.

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Anti-vibration measures ensure consistently fine playback performance.

Silicon-filled microdampers are used in all our CD player mechanisms.



Alpine has taken a number of steps to ensure that our CD players can handle the jolting and vibration that could otherwise affect them. We've developed silicon-filled microdampers to insulate the mechanisms. Sturdy chassis to resist shocks. And superior servo circuits that maintain tracking accuracy at all times. So no matter where you drive, in any type of vehicle, you'll enjoy consistently good playback performance.

DP-H mechanism protects internal components and provides flawless operation.

Disc loading is smooth and positive, thanks to Alpine's DP-H mechanism.



A CD player's mechanism, as well as its circuitry, is an important determinant of sound quality. Our DP-H mechanism has a 4-wall chassis structure, rather than the usual 3-wall, and a reduced number of components that make it extremely reliable. So disc loading and ejection is always smooth and positive. An extra cover panel protects the laser pickup from heat generated by the power amp and dust.

We've put the most advanced digital technology to work to bring you pure audio enjoyment.

Alpine DACs and other circuitry help produce the purest sound on the road.



Sonic Excellence has long been the Alpine byword, and in our CD players it's centered around state-of-the-art digital-to-analog converters (DACs). We use three types of DACs, all of which operate at exceptional levels of precision. All our models also use 8-times over-sampling filters, the same as in the finest home-audio CD players, and specially developed circuits to eliminate the digital distortion known as glitches and jitter.

CD single players incorporate CD Shuttle Control to expand CD listening enjoyment.

Most Alpine head units (radio cassette & CD player) incorporate CD Shuttle control, so you can play a separate disc.



The CD single players can be connected to a CD Shuttle; their front-panel buttons will also control CD Shuttle functions. This gives you the ability to have a 6+1 CD system - a 6-disc magazine in the CD Shuttle for your favourite discs and an additional slot within arm's reach in the dashboard for playing a variety of other discs.

Repeat
Lets you repeat an individual track or the whole disc.

20-Bit Hybrid Interpolative DAC (I-DAC)
Combines the best features of multi-bit and single-bit DACs to reduce zero-cross distortion and provide wide overall linearity.

20-Bit Sign Magnitude DAC
Four separate DACs are used - two handle the positive halves of the signals, the other two the negative halves. The two voltages are offset by just the right amount to eliminate the distortion at crossover (zero-cross distortion).

Fluency DAC
Outputs smoothly varying peaks instead of sharp steps. This gives the music signal a response that soars well above 20 kHz, for a sound that is inherently clean and clear, free from phase distortion and "ringing".

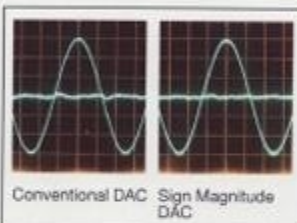
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Digital Link: Alpine's innovative route to the best in CD enjoyment.

5959S

CD SHUTTLE
6-DISC CHANGER

DIGITAL
LINK



Left: conventional DAC waveform.
Right: 20-bit Sign Magnitude DAC
waveform with no zero-cross distortion.

Introducing another advance in car audio CD performance. The 5959S brings you Alpine's most advanced digital technology, featuring Quad 20-Bit Sign Magnitude DACs, for the purest CD reproduction you've ever heard. Two high-performance DACs are used for each channel. This configuration eliminates zero-cross distortion, preserving the outstanding S/N ratio and dynamic range. In addition, the DACs and audio circuitry are isolated from the mechanism, preventing any possibility of interference between them. To preserve every delicate musical nuance, use the 5959S in a Digital Link system - the sound quality's so good, you may not wish to leave your car.

- QUAD 20-BIT SIGN MAGNITUDE DACS - arguably the most advanced DACs in home or car audio
- OPTICAL DIGITAL OUTPUT
- 8-TIMES OVERSAMPLING DIGITAL FILTER
- GLITCHLESS & JITTER-FREE CIRCUITRY
- NEW-GENERATION SERVO CIRCUITRY
- AUDIO-BLOCK CONSTRUCTION
- GOLD-PLATED PIN JACKS
- 5-WAY ADJUSTABLE MOUNTING: Easy five-angle adjustability gives you more installation possibilities

Enjoy the accuracy of digital sound in a Digital Link system.

5957S

CD SHUTTLE
6-DISC CHANGER

DIGITAL
LINK



Optical digital output for extreme sound
purity.

If you've decided to put together a high-quality Digital Link system, the 5957S is a great place to start. Its advanced circuitry ensures top-grade audio performance, and digital output allows direct digital-signal transmission by optical cable to other components. Control of all CD Shuttle functions is easily accomplished from the Alpine touch-sensitive remote control or by a special control button on the unit.

- DIGITAL LINK COMPONENT: Digital optical output for flawless transmission to another Alpine Digital Link component
- DUAL 20-BIT HYBRID I-DAC
- 8-TIMES OVERSAMPLING DIGITAL FILTER
- GLITCHLESS & JITTER-FREE CIRCUITRY
- NEW-GENERATION SERVO CIRCUITRY
- AUDIO-BLOCK CONSTRUCTION
- SINGLE-CABLE CONNECTION
- 5-WAY ADJUSTABLE MOUNTING: Easy five-angle adjustability gives you more installation possibilities
- WINDOW shows CDs inside the unit
- ILLUMINATED EJECT BUTTON

Optical transmission of digital signals – the Alpine guarantee of sound purity.

Normally, how good the recorded music is, the better the audio system is, the less the digital signal will become degraded as it travels from one component to another within the system. This is especially true in car audio installations, due to the prevalence of interference from the car's electrical system and outside sources. Pre-amp level signal cables, in particular, with their relatively high impedance, are more susceptible to radiated and induced noises than speaker-level signals. This problem typically occurs when long runs of RCA cables are used, as in the connection between the head units (radio cassette & CD player) and signal processors installed in the trunk.

The Alpine Digital Link system overcomes this barrier to sound purity in two ways. First, it transmits the original digital signal, rather than an analog signal as is usually the case. Because digital signals are more robust than analog signals, they are less prone to degradation over time and distance. Second, the signals are transmitted through fibre optic cable, that is, by light instead of by electricity.



The fibre optic cable transmits signals by light.



Digital Link ensures that you enjoy the full benefits of CD digital performance.

Naturally, this cable resists the electrical interference found within the car, preventing noise from entering between the two digital units.

Optical transmission of digital signals represents state-of-the-art performance in car audio systems. But more importantly, it results in unsurpassed audio quality by linking Alpine CD Shuttles, digital controllers, and digital sound processors without any signal loss or distortion.

CD Shuttle convenience and quality at super value.

5952Z

CD SHUTTLE
6-DISC CHANGER



5-way adjustability makes installation easier.

Although it's compact and affordable, the 5952Z maintains Alpine's high audio standards. Easily installed in the boot, under the glove box, or wherever there is extra space, this 6-disc changer will make every drive a more pleasant experience.

• DUAL 20-BIT HYBRID I-DAC • MICRODAMPERS isolate tracking mechanism from vibration • 8-TIMES OVER-SAMPLING DIGITAL FILTER • GLITCHLESS & JITTER-FREE CIRCUITRY ensures ultra-low distortion • NEW-GENERATION TWO CHANNELS provide a greater range of audio effects and dynamics • 18-BIT DIGITAL FILTERING as well as high and low audio boost • 100% BUILT-IN CONNECTIONS • 5-WAY ADJUSTABILITY for easy installation • 5-year warranty • 2-year parts and labor warranty

A Single CD Player with extraordinary versatility.

7807R

RADIO/CD PLAYER



[CD] DUAL 20-BIT HYBRID I-DAC • 8-TIMES OVERSAMPLING FILTER • GLITCHLESS & JITTER-FREE CIRCUITRY • DIGITAL DE-EMPHASIS • 24-BIT DIGITAL NOISE SHAPING • DP-H MECHANISM for smooth, reliable disc loading/ejection • M.I.X. • MUSIC SENSOR • MUSIC SCAN • REPEAT • ELAPSED TIME DISPLAY • **[TUNER]** ETR/PLL SYNTHESIZER (FM/MW/LW) "MAX TUNE" TUNER • RDS / E.O.N. • MULTIPATH HUNTER • D.A.P. (6-STATION DIRECT ACCESS PRESET) • 24-STATION PRESET (12 FM, 6 MW, 6 LW) • PRESET ADDRESS • AUTO MEMORY • TRAFFIC INFORMATION • LOCAL/DX SELECTION • STEREO/MONO SELECTION • **[GENERAL]** 30W X 4 HIGH-POWER, LOW-DISTORTION AMP • Q.A.C. • CD SHUTTLE CONTROL • SOURCE TONE MEMORY • BASS & TREBLE CONTROLS • FADER & BALANCE CONTROLS • ELECTRONIC DETENT VOLUME CONTROL • DUAL ILLUMINATION (GREEN/AMBER) • DUAL PRE-OUTS • DETACHABLE FRONT PANEL WITH CARRYING CASE

When choosing a head unit to build a system around, you won't do better than the 7807R. In addition to convenient CD play, it lets you command a CD Shuttle to eject you from a disc with the touch of a command. A high-quality tuner with RDS and a powerful 30W x 4 amp are built in. You also get the unmatched convenience of Q.A.C. and a Detachable Front Panel.

Design excellence inside and out – a joy to use and listen to.

7805M

RADIO/CD PLAYER

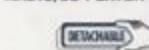


[CD] DUAL 20-BIT HYBRID I-DAC • 8-TIMES OVERSAMPLING FILTER • GLITCHLESS & JITTER-FREE CIRCUITRY • DIGITAL DE-EMPHASIS • 24-BIT DIGITAL NOISE SHAPING • DP-H MECHANISM for smooth, reliable disc loading/ejection • M.I.X. • MUSIC SENSOR • MUSIC SCAN • REPEAT • ELAPSED TIME DISPLAY • **[TUNER]** ETR/PLL SYNTHESIZER (FM/MW/LW) "MAX TUNE" TUNER • D.A.P. (6-STATION DIRECT ACCESS PRESET) • 24-STATION PRESET (12 FM, 6 MW, 6 LW) • INTELLIGENT PRESET SCAN • PRESET ADDRESS • AUTO MEMORY • SDK RECEPTION • LOCAL/DX SELECTION • STEREO/MONO SELECTION • **[GENERAL]** 25W X 2 HIGH-POWER, LOW-DISTORTION AMP • Q.A.C. • CD SHUTTLE CONTROL • SOURCE TONE MEMORY • BASS & TREBLE CONTROLS • FADER & BALANCE CONTROLS • ELECTRONIC DETENT VOLUME CONTROL • DETACHABLE FRONT PANEL

The 7805M also gives you the ability to command the 6-disc CD Shuttle, as well as its own built-in CD player. The 25 watt x 2 amp has more than enough power to calmly handle the demands of the digital music source. This sophisticated unit has almost the same features as the 7807R, so you'll enjoy the benefits of the "MAX TUNE" tuner, superb CD reproduction, Q.A.C., Detachable Front Panel and much more.

7804M

RADIO/CD PLAYER

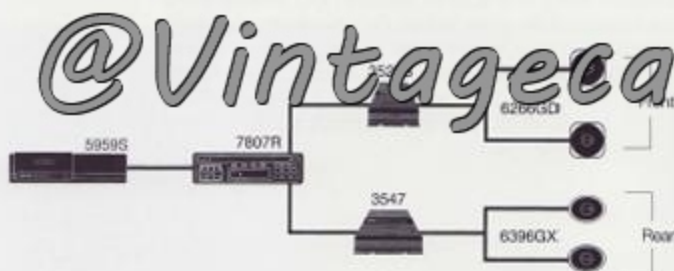


[CD] DUAL 20-BIT HYBRID I-DAC • 8-TIMES OVERSAMPLING FILTER • GLITCHLESS & JITTER-FREE CIRCUITRY • DIGITAL DE-EMPHASIS • 24-BIT DIGITAL NOISE SHAPING • DP-H MECHANISM for smooth, reliable disc loading/ejection • M.I.X. • MUSIC SENSOR • MUSIC SCAN • REPEAT **[TUNER]** ETR/PLL SYNTHESIZER (FM/MW/LW) "MAX TUNE" TUNER • 24-STATION PRESET (12 FM, 6 MW, 6 LW) • PRESET ADDRESS • AUTO MEMORY • SDK RECEPTION • LOCAL/DX SELECTION **[GENERAL]** 25W X 4 HIGH-POWER, LOW-DISTORTION AMP • Q.A.C. • SOURCE TONE MEMORY • BASS & TREBLE CONTROLS • FADER & BALANCE CONTROLS • ELECTRONIC DETENT VOLUME CONTROL • DETACHABLE FRONT PANEL

The 7804M is an attractively affordable alternative to the above two models. It offers a 25W x 4 high-power amp, as well as Q.A.C., SDK, and a Detachable Front Panel. The same high-quality CD circuitry and mechanism as in other CD players guarantees that you'll hear your CDs just as the way was meant to be.

RECOMMENDED SYSTEM 1

6-discs-plus-1, 2 amps and 4 speakers – plenty of top-fidelity music enjoyment.

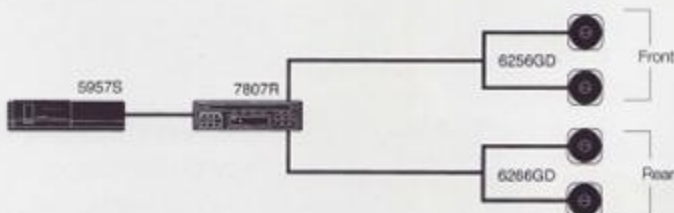


5959S	CD Shuttle
7807R	Radio/CD Player
3522S	2-Ch Amplifier
3547	2-Ch Amplifier
6266GD	2-Way Speaker
6396GX	3-Way Speaker



RECOMMENDED SYSTEM 2

The 7807R gives you Quick Access Control over 7 CDs and high-power performance.

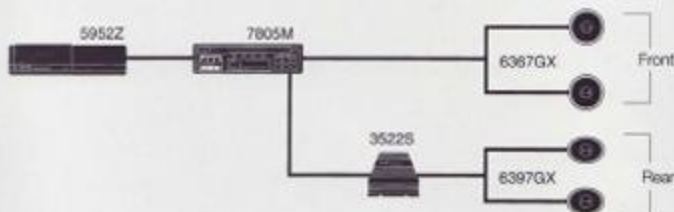


5957S	CD Shuttle
7807R	Radio/CD Player
6256GD	2-Way Speaker
6266GD	2-Way Speaker



RECOMMENDED SYSTEM 3

Choose the more affordable models and add an amp for the rear speakers, while still enjoying a 6+1 CD system.



5952Z	CD Shuttle
7805M	Radio/CD Player
3522S	2-Channel Amplifier
6367GX	3-Way Speaker
6397GX	3-Way Speaker



RECOMMENDED SYSTEM 4

High quality, 6-discs-plus-1 digital sound quality to fit a more limited budget.



5952Z	CD Shuttle
7805M	Radio/CD Player
6267GX	2-Way Speaker



In addition to the speakers in the above systems, Alpine has a wide range of speakers for every type of car. Ask your dealer for details.

Radio/Cassette Players

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Blank Skip

Tape automatically fast-forwards past blank sections of tape.

Easy On

Touching any control (except eject) automatically switches the unit on.

HLTAC II Tape Head

A specially profiled high-performance tape head with a narrow gap for unusually good frequency response.

Music Scan

Scans the tape, playing the first 10 seconds of each selection.

Music Sensor

Advances the tape to the beginning of the next or current selection.

Programmable Sensor (P.S.)

Lets you quickly move to the start of any selection. For example, to move ahead two selections, press the Programmable Sensor button, then FF two times.

SCC Tape Head

High-grade materials ensure full-range reproduction and excellent durability.

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Designed to give you maximum sound quality and functionality with more convenience than you've ever enjoyed.

Even with the growing popularity of CDs, radio and cassettes have lost none of their appeal as music sources. And Alpine is dedicated to making them even more accessible and enjoyable. Our cassette, tuner, and amplifier sections feature no-compromise designs for consistently high performance, and include a wide selection of useful features and easy-to-use controls. What's more, most Alpine radio/cassette players give you an added bonus: they're also designed with the Q-Function. So, you can vary the volume of the music without disturbing other passengers in the car. And the example of an Alpine player is an approach to car audio flexibility and convenience.

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Full Logic* operation makes controls more responsive and "intelligent."

* Light Touch

Lightly touch a button on any Alpine radio/cassette player - response is quietly, smoothly instantaneous.



Most Alpine radio/cassette players feature full logic-controlled operation. Rather than simple mechanical operation, each function is electronically activated, so just a soft touch brings instant response for easier, safer operation. Full Logic also makes true FF/Rewind possible. This means that regardless of which direction the tape is moving, when you select fast forward the tape moves in the direction of tape play.

A Detachable Front Panel is the most efficient way to guard against theft.

Take the front panel with you and no one will take your music machine.



A prime consideration these days is how to prevent theft without an undue amount of trouble. Alpine has found that the best solution is detachable front panels. Just pressing a button releases the front panel, which then slips conveniently into a pocket or handbag. As operation is impossible without the panel, this deters theft. Snap it back and reliable pin connectors hold it firmly in place.

The power is yours - generous amounts of efficient, low-distortion power.

State-of-the-art amplifier ICs give every Alpine radio/cassette player powerful, low-distortion sound.



Alpine has developed new high-power ICs that provide 30 or 25 watts per channel of output. This is more than enough power to drive two- or four-speaker systems at high volume levels, and to handle the brief dynamic bursts found in digital music sources. And best of all, these sophisticated circuits have exceptionally low distortion, so you hear the music in all its pristine beauty.

FM, MW or LW - Alpine tuners bring in your desired station with drift-free clarity.

The "MAX TUNE" tuner, the result of years of research, provides an extraordinary level of accuracy.



Alpine tuners deliver impressively clean, accurate, stable broadcast reception. We use dual-gate MOS-FETs in the front end for optimum reception of both weak and powerful stations. Special ceramic filters keep the desired station free of interference from other nearby stations on the band. And our exclusive Multipath Hunter circuit detects and rejects FM signals reflected off hills or buildings, for purer sound quality.

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Auto Memory

Locates the six strongest stations on the band and presets them.

D.A.P. (Direct Access Preset)

Provides one-touch access to six preset stations - you don't have to select the band first.

Intelligent Preset Scan

Plays each of the preset stations for five seconds, so you can check to see which buttons have been preset.

Preset Address

The selected preset number is indicated by a six-box graphic or a channel number on the display.

Automatic Set-Up

Automatically identifies and stores local radio stations in the memory and adjusts all controls to their mid-point settings. Especially useful when first installing the unit.

Source Tone Memory

Memorises bass and treble settings for each music source (CDs, cassettes, and radio broadcasts).

Q.R.B. (Quick Release Bracket)

Anti-theft feature that allows you to easily remove the entire unit from the car.

7525R

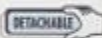
RADIO/CASSETTE PLAYER with RDS / E. O. N.

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Awarded in 1992

The 7525R has won design awards, but its sound quality and convenience make you the real winner.



Give your dashboard a new look - switch to amber illumination.

You know the 7525R is different as soon as you look at it, but it's not until you operate it that the differences really become apparent, as the 7525R is much handier to use than ordinary car stereos. Your hand easily locates the Quick Access Control module, after which selection and adjustment of a variety of modes is effortless. The display is unique, too clearer and easier to read. With other exceptional features like Ambient Sound Compensator, RDS, CD Shuttle Control, high power output, card-size remote control (optional) and Detachable Front Panel, the award-winning 7525R represents a giant step forward in the evolution of the integrated cassette deck/tuner/amplifier.

[CASSETTE] FULL LOGIC CONTROL • HLTAC II TAPE HEAD • DOLBY B & C NOISE REDUCTION • MUSIC SCAN • MUSIC SENSOR • AUTO METAL SELECTOR • BLANK SKIP • REPEAT • RETURN EJECT • **[TUNER]** ETR/PLL SYNTHESIZER (FM/MW/LW) "MAX TUNE" TUNER • RDS • MULTIPATH HUNTER • D.A.P. • 24-STATION PRESET (12 FM, 6 MW, 6 LW) • PRESET SCAN • PRESET ADDRESS • AUTO MEMORY • LOCAL/DX SELECTION • STEREO/MONO SELECTION • **[GENERAL]** 30W X 4 HIGH-POWER, LOW-DISTORTION AMP • Q.A.C. • CD SHUTTLE CONTROL • AMBIENT SOUND COMPENSATOR • AUTOMATIC SET-UP • HIGH-LEGIBILITY, TOTAL- INFORMATION DISPLAY • DUAL ILLUMINATION • SOURCE TONE MEMORY • BASS & TREBLE CONTROLS • FADER & BALANCE CONTROLS • AUDIO MUTING • DIGITAL CLOCK • DUAL PRE-OUT TERMINALS for adding an external amp • GOLD-PLATED PIN JACKS • CARD-SIZE REMOTE CONTROL (optional) • DETACHABLE FRONT PANEL WITH CARRYING CASE

Quick Access Control (Q.A.C.) is a giant step forward in car stereo engineering: simpler, quicker and safer. The first thing you notice about the Q.A.C. is its compact, ergonomic design. Located conveniently in the corner of the driver's field of vision, the Q.A.C. does not demand attention but remains within immediate grasp. In almost no time, your hand will move naturally to it without having to take your eyes off the road. Your fingers can then select the desired music source and

adjust the volume, treble, bass, balance and fader. Next, using your thumb and forefinger, you twist the tabs on the side for mode adjustment - a slight amount for slow adjustment, more for faster adjustment. It's so simple and convenient, you'll understand why it won so many design awards.

RDS instantly upgrades your radio into a more convenient source of music and an information center.

Radio Data System is a transmission system that includes inaudible identification signals together with the ordinary broadcast. These signals carry the station name, program name and type, frequency, and other information and are shown on your radio display. With RDS, your radio performs functions such as automatic number of tuning, program selection and other functions. What's more, RDS will let you automatically receive traffic information and even text broadcasts.

Some of the main RDS features are: • **Alternative Frequency List:** As your car moves away from the current station's transmitter, RDS will search for and automatically switch to a different transmitter that is broadcasting a strong signal of the same station. You stay in tune without touching the dial.

• **Program Identification Seek:** As you leave your local area, RDS will find new frequencies for your preset stations and automatically switch to them. • **Program Type Search:** A wide variety of program types are available (news, sports, rock, etc.). You select one and RDS will find stations in that category.

• **Enhanced Other Networks:** Enables you to receive a variety of RDS information broadcast by networks other than the network you are currently receiving.

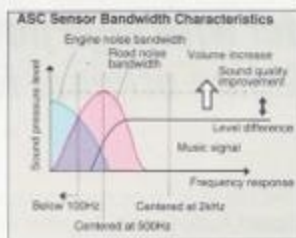
Other functions include display of the station name and type of program you are listening to, and automatic clock time correction.



RDS automatically keeps you tuned to your desired program even when you leave the original transmission area.

Ambient Sound Compensator ensures that you hear all the music, all the time.

Road noise is a serious obstacle to in-car audio enjoyment because it masks much of the bass range and can totally cover soft passages. Until now all you could do was turn the volume up and down, but the 7525R has a unique means to counter this irritation. The Ambient Sound Compensator monitors road noise and sound signals with an internal microphone and compares them to the levels of the low, mid, and high frequency ranges. Using a fuzzy logic circuit, it then adjusts the volume and bass to optimum levels. As this process is constant, road noise never overwhelms the sound.



The ASC microphone constantly monitors the noise level.



No matter what the noise level, you don't have to strain to hear the music.

7524R

RADIO/CASSETTE
PLAYER with RDS / E.O.N.



The 7524R is a match for the 7525R in almost all respects. It does not have dual pre-out terminals, Dolby C NR or Ambient Sound Compensator. But with its wide range of features, including Detachable Front Panel with carrying case, and considering its affordability, the 7524R merits your serious attention.



Take the Detachable Front Panel with you when you leave your car for anti-theft security.

7521R RADIO/CASSETTE PLAYER with RDS / E.O.N.

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A top-quality model with high power output and a large number of Alpine original features.



The Detachable Front Panel flips off for convenient theft protection.

The 7521R is an exciting addition to the Alpine radio/cassette player lineup. It offers our latest Dual Speed Audio Control, together with CD Shuttle Control, Full Logic operation, and a Detachable Front Panel. With 100 watts of power (25W x 4), it can effortlessly drive a high-quality four-speaker system. A wide range of other useful functions makes this model a top choice for car audio enthusiasts.

[CASSETTE] FULL LOGIC CONTROL • SCC TAPE HEAD • DOLBY B NR • MUSIC SCAN • PROGRAMMABLE SENSOR • REPEAT • BLANK SKIP (TUNER) ETR/PLL SYNTHESIZER (FM/MW/LW) "MAX TUNE" TUNER • RDS • D.A.P. • 24-STATION PRESET (12 FM, 6 MW, 6 LW) • AUTO MEMORY • LOCAL/DX SELECTION • [GENERAL] 25W X 4 HIGH-POWER, LOW-DISTORTION AMP • G.A.C. • CD SHUTTLE CONTROL • SOURCE TONE MEMORY • BASS & TREBLE CONTROLS • FADER & BALANCE CONTROLS • LOUDNESS • DIGITAL CLOCK • REAR PRE-OUT • DETACHABLE FRONT PANEL

Quick Access Control

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Alpine's newest design for eyes-free control convenience. The projecting control module has three buttons on the top. The middle one selects the mode you wish to adjust: volume, balance, fader, bass, treble, or loudness. Once selected, you press the button on the right to increase the setting, and the one on the left to decrease it. A light touch changes the setting slowly; if you press harder, it will change quickly.

7515RRADIO/CASSETTE
PLAYERCD Shuttle
Control Function

DETACHABLE



[CASSETTE] FULL LOGIC CONTROL • AUTO METAL SELECTOR • [TUNER] ETR/PLL SYNTHESIZER (FM/MW/LW) "MAX TUNE" TUNER • RDS • MULTIPATH HUNTER • 24-STATION PRESET (12 FM, 6 MW, 6 LW) • AUTO MEMORY • LOCAL/DX SELECTION • [GENERAL] 25W X 2 HIGH-POWER, LOW-DISTORTION AMP • Q.A.C. • CD SHUTTLE CONTROL • SOURCE TONE MEMORY • BASS & TREBLE CONTROLS • FADER & BALANCE CONTROLS • LOUDNESS • DIGITAL CLOCK • REAR PRE-OUT • DETACHABLE FRONT PANEL

In addition to the impressive new design that emphasizes friendly controls and convenience, the 7515R boasts a broad array of sophisticated features. Among these are CD Shuttle Control, the high-performance RDS mechanism with RDS logic control, and the "MAX TUNE" tuner. And to top it off, all the advantages of RDS. An outstanding central component for any high-performance system.

7514LRADIO/CASSETTE
PLAYERCD Shuttle
Control Function

DETACHABLE



[CASSETTE] FULL LOGIC CONTROL • PROGRAMMABLE SENSOR • SCC TAPE HEAD • DOLBY B NR • BLANK SKIP • REPEAT • AUTO METAL SELECTOR • [TUNER] ETR/PLL SYNTHESIZER (FM/MW/LW) "MAX TUNE" TUNER • D.A.P. • 24-STATION PRESET (12 FM, 6 MW, 6 LW) • AUTO MEMORY • LOCAL/DX SELECTION • [GENERAL] 25W X 2 HIGH-POWER, LOW-DISTORTION AMP • Q.A.C. • CD SHUTTLE CONTROL • SOURCE TONE MEMORY • BASS & TREBLE CONTROLS • FADER & BALANCE CONTROLS • LOUDNESS • DIGITAL CLOCK • REAR PRE-OUT • DETACHABLE FRONT PANEL

Its stylish good looks mark the 7514L as a high-quality radio/cassette player. And it performs like one, too, thanks to its many advanced features and technologies, including a high-powered amplifier, Dual Speed Audio Control, Dolby B NR, and Alpine's top-end "MAX TUNE" tuner. A great value in a beautifully balanced package.

7513LRADIO/CASSETTE
PLAYERCD Shuttle
Control Function

DETACHABLE



[CASSETTE] FULL LOGIC CONTROL • AUTO METAL SELECTOR • [TUNER] ETR/PLL SYNTHESIZER (FM/MW/LW) "MAX TUNE" TUNER • D.A.P. • 24-STATION PRESET (12 FM, 6 MW, 6 LW) • AUTO MEMORY • LOCAL/DX SELECTION • [GENERAL] 25W X 4 HIGH-POWER, LOW-DISTORTION AMP • Q.A.C. • CD SHUTTLE CONTROL • SOURCE TONE MEMORY • BASS & TREBLE CONTROLS • FADER & BALANCE CONTROLS • LOUDNESS • DIGITAL CLOCK • DETACHABLE FRONT PANEL

The 7513L features a built-in amplifier capable of pumping out 100 watts of power to a four-speaker system. And while attractively priced, it's loaded with first-class features, including a Detachable Front Panel, Alpine's GR full-logic mechanism, and even CD Shuttle Control functions. This is a powerfully attractive unit that's sure to please.

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Amplifiers & Equalizers

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Acoustic Compensation

Acts as an equalizer, adjusting certain frequency ranges to compensate for the road noise that masks them and muddles the sound. And since car interiors have an acoustic dip at 40Hz and

a peak at 150Hz, these frequencies are given special compensation.

Bridgeable

Two stereo amp channels combine into a monaural channel for approximately twice the power output.

Built-In Active Divider

An active dividing network that provides separation of frequencies to allow easy set-up of subwoofer or multi-speaker systems.

Copper Power Plates

Thick copper is used for the plates in the power supply unit for faster sound response, particularly at sudden high power demands.



Put together a high-performance sound system with extra speakers and a powerful amplifier.

A separate amp is an absolute necessity for a truly high-performance audio system.

Why? Well, there are good reasons for using a separate, powerful amplifier. In addition, of course, to having more raw power at your command when you want to turn up the volume, a larger amp is able to handle the musical peaks that can be far above the average power level, without clipping or audibly distorting. Then too, a more powerful, sophisticated amplifier can handle more power at a higher frequency. For example, a large amplifier can handle a lot of power at a high frequency, as well as a low frequency. In terms of system expansion, a multi-channel amplifier lets you add more speakers for a more dynamic, full-surround sound. Subwoofers, in particular, will greatly improve the overall sound quality. In short, for the best possible audio performance a separate amp is a necessity, and Alpine offers a wide variety of models to meet every requirement.

The Alpine muscle: power supplies that are super-stable, super-efficient.

You'll never see them, but these copper plates make a difference you can hear.



One key to the superior performance of Alpine amplifiers is their well-designed, well-built power supplies. Constructed of heavy-gauge copper plates, they are stable enough to cope with sudden peak power demands, and their PWM (pulse-width modulation) circuitry lets them handle fluctuating speaker impedances (which vary with frequency), even down to one ohm. FETs (field-effect transistors) are used for their fast response to rapidly varying audio signals.

Amplifier and output stages utilize the latest technology and high-quality components.

Is gold-plating the output terminals necessary? It is if you want maximum, long-lasting sound quality.



Two special circuits in the amplifier stage contribute to improved performance. The Duo-B (Beta) circuit provides separate negative feedback for both AC and DC signals, reducing distortion and increasing signal stability. The S.T.A.R. circuit provides a single ground point for all amp sub-blocks, preventing the ground interference common in other amps. Output connectors are gold-plated for low contact resistance and freedom from oxidation.

Equalizers let you smooth out the sound or modify it to suit your taste.

The 3342 remote control unit puts an unprecedented degree of equalization and sound field control in your hands.



Since all car interiors are different, you can't go into a store and buy a "perfect" audio system. But you can use an equalizer to adjust various frequency ranges to compensate for poor acoustics - a lack of bass, for instance. On the other hand, if you really enjoy those soaring trebles, you can boost them to taste. Alpine equalizers give you a broad range of adjustment possibilities, while maintaining highest audio quality. And if you want even more sophistication, the 3342 provides BBE and DSP for astounding sound field control and dynamism.

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Discrete Components

Unlike conventional amps that use a monolithic IC, this design uses a hybrid IC in the pre-amp stage and discrete components in the pre-driver stage. It enables the use of higher grade components, prevents interference

from the main power section, and provides greater reliability.

FETs

Field Effect Transistors have larger capacity than ordinary transistors, which means higher power plus better reliability.

Gain Control

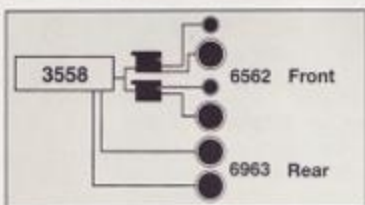
A Gain Control allows you to match the input level of the amp to the output levels of other components in the system.

PWM

Pulse Width Modulation is a configuration that stabilizes amp performance by withstanding power supply fluctuations.

3558

4-CHANNEL CLASS A POWER AMPLIFIER

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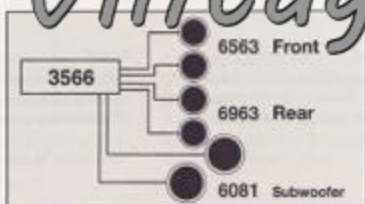
Class A is a sophisticated, high performance amplifier format generally used only in high-end home audio systems. Alpine has incorporated it into the 3558 for extraordinarily pure sound reproduction. Because it eliminates switching distortion, the 3558 is the ideal power source for the 3900 FE DAC. In addition to Alpine's most advanced circuitry, it has gold-plated input and output connectors. The 3558 will deliver large amounts of 0.02% THD low-distortion power to 2, 3, or 4 speakers.

- 4 X 40W CONTINUOUS AVERAGE POWER OUTPUT (into 4 ohm with 0.02% THD 20Hz - 20kHz) • 4 X 60W (MAX)
- BRIDGEABLE MODE: 3CH - 2 X 60W + 1 X 200W (MAX); 2CH - 2 X 200W (MAX) • CLASS A OPERATION at low and normal listening levels eliminates switching distortion • TWIN INDEPENDENT, OPTICALLY ISOLATED PWM DC-DC POWER SUPPLIES maximize circuit stability with lowest interference, for powerful, firm bass and smooth dynamic peaks • DUO- β AND S.T.A.R. CIRCUITRY
- DIFFERENTIAL DISCRETE FET PRE-DRIVER STAGE • COPPER POWER PLATES • DIRECT & VARIABLE GAIN CONTROLS • INPUT MODE AND CHANNEL SELECTION • BRIDGEABLE TO 2 OR 3 CHANNELS for higher power output • GOLD-PLATED INPUT AND OUTPUT PIN JACKS for corrosion resistance and optimum signal purity • MUTE AND STATUS MONITOR LEDs

35666/5/4/3-CHANNEL
POWER AMPLIFIER

You can use the 3566 to power a 6-speaker system: two front speakers, two rear speakers, and two subwoofers. Separate DC-DC power supplies put out 4 x 30W and 2 x 60W of clean, stable power, and can deliver up to a total of 480W of maximum power on demand.

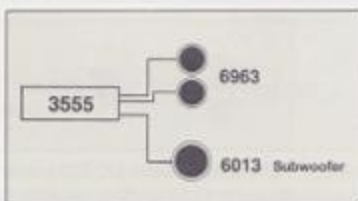
- 4 X 30W + 2 X 60W CONTINUOUS AVERAGE POWER OUTPUT (into 4 ohm with 0.04% THD 20Hz - 20kHz) • 4 X 60W + 2 X 120W (MAX) • BRIDGEABLE MODE: 5CH - 4 X 60W + 1 X 280W (MAX); 4CH - 2 X 180W + 2 X 120W (MAX); 3CH - 2 X 180W + 1 X 280W (MAX) • DUAL INDEPENDENT DC-DC POWER SUPPLIES for greater stability, reduced interference and overheating • MULTIMODE™ • DUO- β AND S.T.A.R. CIRCUITRY • ACOUSTIC COMPENSATION reduces boominess and boosts low bass to make up for the loss of response below 100Hz caused by road noise • DRIVES 2-OHM LOADS • ACTIVE DIVIDER lets you upgrade to a 2-speaker system without having to purchase an active divider • COPPER POWER PLATES • DIRECT & VARIABLE GAIN CONTROLS • INPUT MODE AND CHANNEL SELECTION • BRIDGEABLE TO 2 OR 3 CHANNELS for higher power output • GOLD-PLATED INPUT AND OUTPUT PIN JACKS for corrosion resistance and optimum signal purity • MUTE AND STATUS MONITOR LEDs

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35554/3/2-CHANNEL
POWER AMPLIFIER

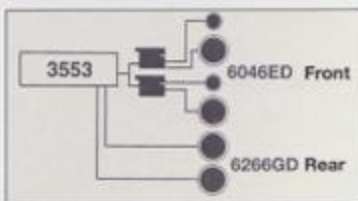
For the usual 4-speaker system, this amp supplies 200 watts (50W x 4 nominal) of pure, reliable power. If you want to change your speaker system, it has switches that allow different configurations.

- 4 X 50W CONTINUOUS AVERAGE POWER OUTPUT (into 4 ohm with 0.04% THD 20Hz - 20kHz) • BRIDGEABLE MODE: 3CH - 2 X 100W + 1 X 20W (MAX); 2CH - 2 X 140W (MAX) • DC-DC POWER SUPPLY WITH FETs (Field Effect Transistors) that can handle much higher electrical levels than ordinary transistors • MULTI-MODE CAPABILITY • MULTIMODE™ • DUD-β AND S.T.A.R. CIRCUITRY • ACQUSTIC COMPENSATION • SPEAKER-LEVEL INPUTS • BUILT-IN ACTIVE DIVIDER • COPPER POWER PLATES • GAIN CONTROLS • INPUT MODE AND CHANNEL SELECTION for flexible installation • GOLD-PLATED INPUT PIN JACKS for corrosion resistance and optimum signal purity • STATUS MONITOR LED

**3553**4/3/2-CHANNEL
POWER AMPLIFIER

The 3553 offers high power efficiency and practical flexibility. It's a great power source for subwoofers, and you can use it in a variety of configurations: front (LEFT/RIGHT) + rear (LEFT/RIGHT), (LEFT/RIGHT) + mix (subwoofer), or left (subwoofer) + right (subwoofer).

- 4 X 35W CONTINUOUS AVERAGE POWER OUTPUT (into 4 ohm with 0.04% THD 20Hz - 20kHz) • 4 X 90W (MAX) • BRIDGEABLE MODE: 3CH - 2 X 70W + 1 X 140W (MAX); 2CH - 2 X 140W (MAX) • DC-DC POWER SUPPLY • MULTI-MODE™ • DUD-β AND S.T.A.R. CIRCUITRY • ACQUSTIC COMPENSATION • BUILT-IN ACTIVE DIVIDER • COPPER POWER PLATES • GAIN CONTROLS • INPUT MODE AND CHANNEL SELECTION enables easy changeover to a different speaker system • GOLD-PLATED INPUT PIN JACKS for corrosion resistance and optimum signal purity • STATUS MONITOR LED

**3527S**4/3/2-CHANNEL
POWER AMPLIFIER

This new-generation amp uses FET (Field Effect Transistors) switching elements that deliver up to five times the current of conventional amps for greater power efficiency. Using multi-mode, it can drive four full-range speakers and two subwoofers, and has speaker-level inputs for direct connection to any Head Unit. Acoustic Compensation is also included.

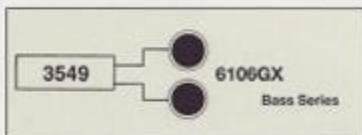
- 4 X 25W CONTINUOUS AVERAGE POWER OUTPUT (into 4 ohm with 0.04% THD 20Hz - 20kHz) • 4 X 70W (MAX) • BRIDGEABLE MODE: 3CH - 2 X 70W + 1 X 140W (MAX); 2CH - 2 X 140W (MAX) • DC-DC POWER SUPPLY WITH FETs (Field Effect Transistors) that can handle much higher electrical levels than ordinary transistors • MULTI-MODE CAPABILITY • MULTIMODE™ • DUD-β AND S.T.A.R. CIRCUITRY • ACQUSTIC COMPENSATION • SPEAKER-LEVEL INPUTS • BUILT-IN ACTIVE DIVIDER • COPPER POWER PLATES • GAIN CONTROLS • INPUT MODE AND CHANNEL SELECTION for flexible installation • GOLD-PLATED INPUT PIN JACKS for corrosion resistance and optimum signal purity • STATUS MONITOR LED



The 3527S can power a high-performance multi-mode system.

3549

2-CHANNEL
POWER AMPLIFIER

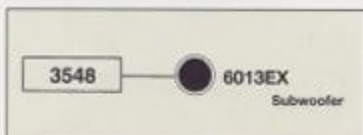


2 x 100W of low-distortion power thanks to FETs and dual independent PWM power supplies. Bass response is superb and there's plenty of spare power for high-peak digital sources.

- 2 X 100W CONTINUOUS AVERAGE POWER OUTPUT (into 4 ohms with 0.04% THD 20Hz - 20kHz) • 2 X 140W (MAX) • BRIDGEABLE MODE: 1 X 400W • DUAL INDEPENDENT PWM DC-DC POWER SUPPLIES WITH FETs • HYBRID IC AND DISCRETE COMPONENTS • DUO-8 AND S.T.A.R. CIRCUITRY • MULTIMODE™ • ACOUSTIC COMPENSATION • BUILT-IN ACTIVE DIVIDER LINKED TO PRE-OUT • GAIN CONTROL

3548

2-CHANNEL
POWER
AMPLIFIER

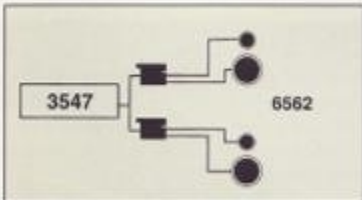


FETs are used in a DC-DC power supply with large current handling capacity that gives instant response for smooth transients and dynamic bass.

- 2 X 60W CONTINUOUS AVERAGE POWER OUTPUT (into 4 ohms with 0.04% THD 20Hz - 20kHz) • 2 X 125W (MAX) • BRIDGEABLE MODE: 1 X 300W (MAX) • DC-DC POWER SUPPLY WITH FETs • HYBRID IC AND DISCRETE COMPONENTS • DUO-8 AND S.T.A.R. CIRCUITRY • MULTIMODE™ • ACOUSTIC COMPENSATION • COPPER POWER PLATES • GAIN CONTROL

3547

2-CHANNEL
POWER AMPLIFIER

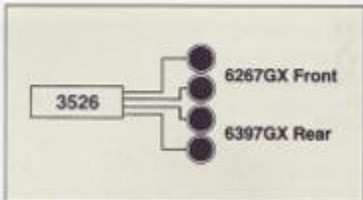


The 3547 also makes use of FETs for generous amounts of power on demand. Rated distortion is a low 0.04% and other specifications are worthy of any high-grade system.

- 2 X 100W CONTINUOUS AVERAGE POWER OUTPUT (into 4 ohms with 0.04% THD 20Hz - 20kHz) • 2 X 140W (MAX) • BRIDGEABLE MODE: 1 X 400W (MAX) • DC-DC POWER SUPPLY WITH FETs • HYBRID IC AND DISCRETE COMPONENTS • DUO-8 AND S.T.A.R. CIRCUITRY • MULTIMODE™ • COPPER POWER PLATES • GAIN CONTROL

3526

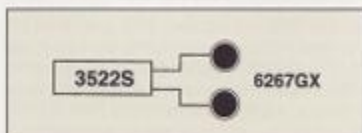
4-CHANNEL
POWER
AMPLIFIER



In addition to delivering 50 watts of maximum power to each of four channels, the 3526 can also deliver 100 watts to two channels in the bridgeable mode.

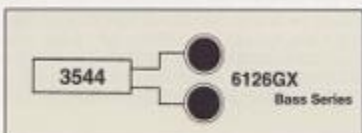
- 4 X 50W CONTINUOUS AVERAGE POWER OUTPUT (into 4 ohms with 0.04% THD 20Hz - 20kHz) • 2 X 100W (MAX) • BRIDGEABLE MODE: 2 X 100W (MAX) • DC-DC POWER SUPPLY WITH FETs • WIRELESS CIRCUITRY • DUO-8 AND S.T.A.R. CIRCUITRY • MULTIMODE™ • SPEAKER-LEVEL INPUTS • GAIN CONTROL

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3522S2-CHANNEL
POWER AMPLIFIER

This extremely flexible amp offers speaker-level inputs for connection to any radio/cassette player, an active frequency divider for adding a subwoofer system, bridgeability and input mode selection.

- 2 X 30W CONTINUOUS AVERAGE POWER OUTPUT (into 4 ohm with 0.08% THD 20Hz - 20kHz) • 2 X 65W (MAX) • BRIDGEABLE MODE: 1 X 80W • DC-DC POWER SUPPLY WITH FETs • DUO- β AND S.T.A.R. CIRCUITRY • SPEAKER-LEVEL INPUTS for direct connection to speaker-out terminals of any head units (radio cassette & CD player) • BUILT-IN ACTIVE DIVIDER for subwoofer systems • GAIN CONTROLS • STATUS MONITOR LED

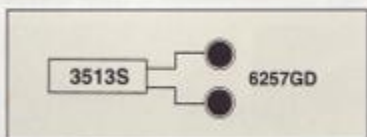
35442-CHANNEL
POWER
AMPLIFIER

For powerful speaker output, you need a powerful amp, and the 3544 delivers with 210W/channel max. or 630W of monaural power. Team it with our "Bass Series" speakers and get ready for real music action.

- 2 X 150W CONTINUOUS AVERAGE POWER OUTPUT (into 4 ohm with 0.04% THD 20Hz - 20kHz) • 2 X 210W (MAX) • BRIDGEABLE MODE: 1 X 630W • DC-DC POWER SUPPLY WITH FETs • MULTI-MODE™ • DUO- β AND S.T.A.R. CIRCUITRY • GAIN CONTROL • INPUT MODE SELECTION • STATUS MONITOR LED • GOLD-PLATED CONNECTORS

3513S2-CHANNEL
POWER AMPLIFIER

Wireless circuit helps ensure consistently high sound quality.



This sophisticated 2-channel amp is compact and reliable, thanks to the use of FETs in the power supply section.

- 2 X 20W CONTINUOUS AVERAGE POWER OUTPUT (into 4 ohm with 0.8% THD 20Hz - 20kHz) • 2 X 40W (MAX) • BRIDGEABLE MODE: 1 X 80W • DC-DC POWER SUPPLY WITH WIRELESS CIRCUITRY FOR HIGH AUDIO QUALITY • S.T.A.R. AND DUO- β CIRCUITRY • SPEAKER-LEVEL INPUTS for direct connection to speaker-out terminals of any head units (radio cassette & CD player) • MULTI-MODE for use in a subwoofer system • GAIN CONTROL • STATUS MONITOR LED

35314-CHANNEL
POWER
AMPLIFIER

A compact amp that still delivers four channels of 40W power when the need arises. Pre-level and speaker-level inputs give you flexibility and a gain control lets you match the volume to other units.

- 4 X 18W CONTINUOUS AVERAGE POWER OUTPUT (into 4 ohm with 0.8% THD 20Hz - 20kHz) • 4 X 40W (MAX) • S.T.A.R. CIRCUITRY • PRE-LEVEL INPUTS • SPEAKER-LEVEL INPUTS for easy connection to upgrade your present system • DRIVES 2-Ohm SPEAKERS • GAIN CONTROL • STATUS MONITOR LED • SLIM, NARROW DESIGN

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3503

2-CHANNEL
POWER AMPLIFIER



Using the same S.T.A.R. circuitry as top-end Alpine amps, the 3503 offers excellent performance for a small 2-channel amp. Speaker-level inputs let you use it to boost the power of weak in-dash units.

- DC-DC POWER SUPPLY • 2 CHANNELS • 4 OHM LOADS • 40W (150W P.P.S.)
- CIRCUIRY • PRE-LEVEL INPUTS • SPEAKER-LEVEL INPUTS for connection to an already installed component • STATUS MONITOR LED • SLIM, NARROW DESIGN

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3402

7-BAND
PARAMETRIC
EQUALIZER



The interior of a car is a far from ideal acoustic environment. The 3402 is designed to overcome this problem with precision and flexibility. It provides full control over key variables to enable the installer to compensate for peaks and dips so they are virtually flat, achieving smooth frequency response exactly tailored to the interior of your car.

- DC-DC POWER SUPPLY • 3 FRONT-CHANNEL BANDS
- 4 REAR-CHANNEL BANDS • 3-MODE OPERATION • BOOST/CUT, BANDWIDTH, AND FREQUENCY CONTROLS • FRONT AND REAR OUTPUT LEVEL CONTROLS • REMOTE POWER SUPPLY CONNECTOR • FREQUENCY RESPONSE: 10Hz - 50kHz (± 1 dB)

3331

11-BAND GRAPHIC
EQUALIZER



This top-class graphic equalizer gives you much more control capability than many home-use equalizers. In addition to 11 bands of equalization, it provides control over subwoofers, front and rear speakers, bass, treble, and an external woofer. And, since it uses Alpine's DC-DC amplifiers, the 3331 has a DC-DC converter. Audio specifications are excellent, so the signal is in no way degraded as it passes through the equalizer.

- 11 EQUALIZATION BANDS (-12 to +12dB) • CONTINUOUSLY VARIABLE SUBWOOFER CROSSOVER (0 - 120Hz) • SUBWOOFER LEVEL CONTROL (0 - 15dB) • SUBWOOFER OUTPUT STEREO/MONO AND PHASE SWITCHING
- 10 INPUTS • INDIVIDUAL VOLUME CONTROL • REPEAT SWITCH • SOLD-PLATE TERMINALS

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3342

REMOTE 11-BAND
EQUALIZER/SOUND
FIELD CONTROLLER

This is a brand-new Alpine product that makes use of two new technologies: DSP and the amazing BBE, as used by professional musicians. BBE provides extraordinary clarity and makes it seem as if the performers are right in front of you, for a new dimension of thrilling realism. Offering up to 512 combinations of sound settings plus a spectrum analyzer with 36 patterns, the 3342 is both extremely practical and a great deal of fun to use. It comes in two parts: a remote control unit for the operator and a hide-away audio unit for convenient installation and less chance of theft.

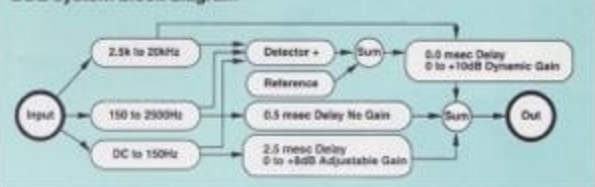
- BBE TECHNOLOGY provides greatly enhanced reproduction clarity (3 BBE modes) • 11 EQUALIZATION BANDS • 6 EQUALIZER PRESETS (Male Vocal, Female Vocal, Rock, Jazz, etc.) • 8 USER PROGRAMMABLE EQUALIZER PRESETS • 8 DSP SURROUND MODES (Live, Disco, Church, Hall 1, Hall 2, Stadium 1, Stadium 2, Flat) • SPECTRUM ANALYZER DISPLAY WITH 36 DIFFERENT PATTERNS • AUTO DEFEAT FUNCTION FOR TRAFFIC INFORMATION BROADCASTS • SUBWOOFER OUTPUTS for direct connection of Subwoofer systems • 80Hz SUBWOOFER Crossover
- SUBWOOFER STEREO MONO AND PHASE SWITCHING • DUAL ILLUMINATION (GREEN/AMBER)

BBE and DSP combine for thrilling audio reproduction

BBE is a new technology that provides amazingly realistic reproduction by compensating for fall-offs in high frequency harmonic response and for phase lags. Whereas normal equalizer controls provide only fixed changes in frequency response, BBE modifies frequency response based on a comparison between fundamental tones and their harmonics. In order to control harmonic overtones, the fixed standard midrange energy level is compared with the low and high ranges. According to the results, the low and high ranges are adjusted, thus controlling harmonic overtones. This gives a musical emphasis to the sound that preserves the naturalness of the original. BBE also controls phase characteristics, preventing waveform distortion. It gives the low range a delay of 2.5ms and the midrange a delay of 0.5ms, while leaving the high frequency range as it is. For phase compensation, the out-of-phase portion is offset by reverse phase signals. The result of these two processes is improved vocal clarity, less muffled and boomy bass, more natural sound colour, and greater overall sound clarity and definition – with acoustic guitar music, for example, the sound of each string stands out clearly.

The 3342 also provides comprehensive digital signal processing (DSP), using a DSP IC that can extend delay time from 30ms to 100ms, enabling the creation of sound fields that become increasingly wider and deeper. You can select

BBE system block diagram



eight surround modes that have been calibrated to give your car interior the acoustic characteristics of actual performing environments.

In short, the 3342 not only offers delicate, full-range equalization control, it actually improves the sound of your audio system and also lets you choose the exciting dynamism of various sound fields.

How to turn a long drive into a sensational aural experience.



Hall 1/Hall 2

These sound fields are those of two fine halls with excellent acoustics, ideal for classical, vocal and other concert-type music.



Stadium 1/Stadium 2

Provide an expansive feeling of openness – good for live concerts and any music with a "big sound."



Church

Strong reverberations give a rounded, "spiritual" feeling. An interesting effect with many types of music.



Disco

Transmits the energy and punchy rhythms of rock and dance music with all their full force.



Live

Experience the intimate setting of a small club – ideal for jazz, vocals, acoustic instruments, and so on.

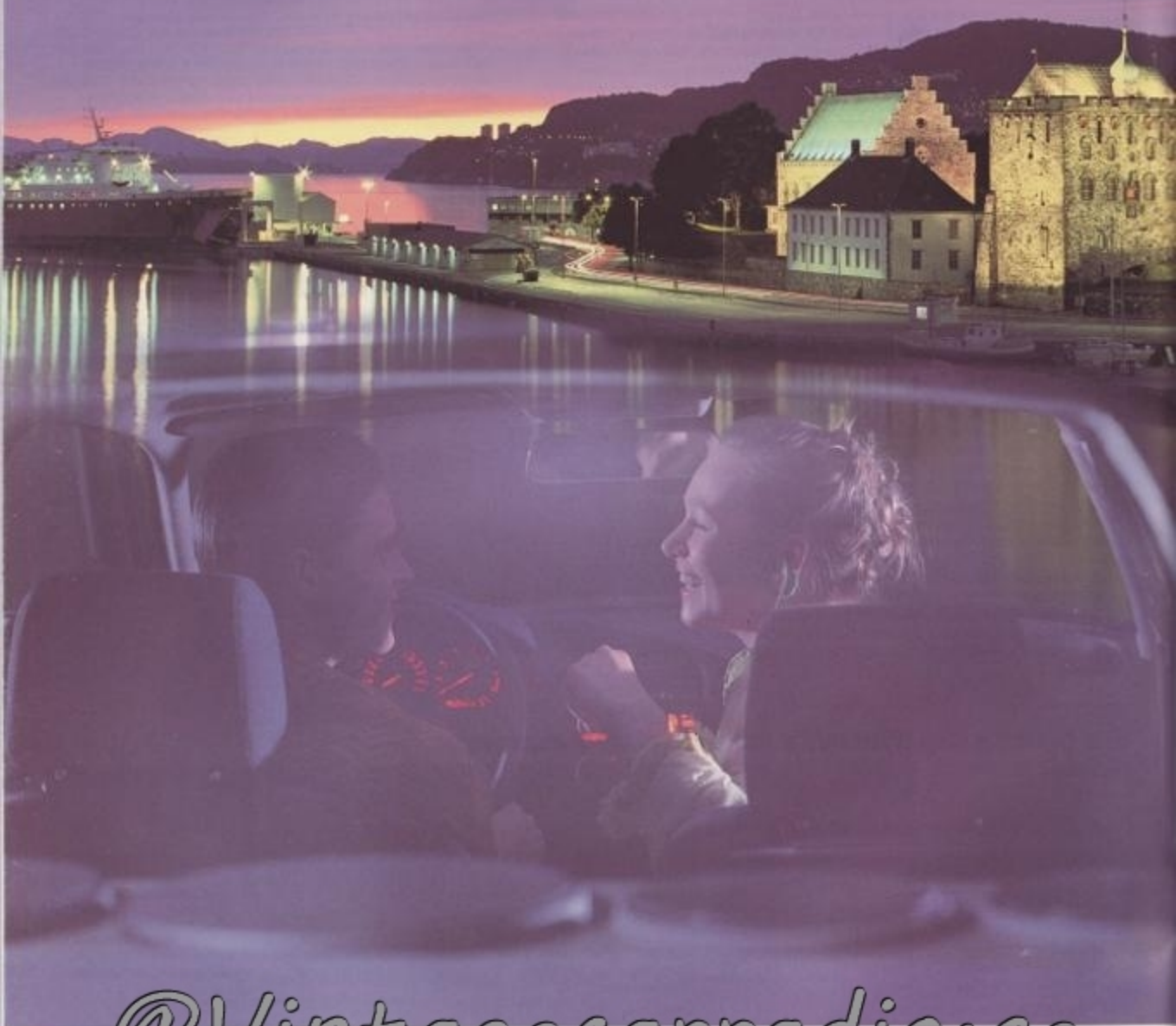
Enjoy the variety of 36 display patterns.

The spectrum analyzer lets you choose from among no less than 36 different patterns! Find the one you like best, or use a different one each day. Passengers will enjoy watching it as they listen to the 3342 perform its sonic magic.



Speakers

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Angle Spacer

A spacer for mounting tweeters that enables them to be angled in different directions for optimum effect.

Neodymium Magnet

Powerful boron ferrous alloy for high power in a compact size.

Non-Pressed Paper Cone

A high-strength cone made of non-pressed paper with superb stiffness for richer, more dynamic bass range reproduction.

OFC Voice Coil

High-grade Oxygen-Free Copper wire provides pure conduction for optimum voice coil performance.

Crisp, clean response across the entire breadth of the frequency range.

The first thing you'll notice about Alpine speakers is the high quality and awesome power of the bass sound. And the impact of the bass is matched throughout the entire listening range. Midrange instruments and vocals are remarkably responsive and crisp, without sounding brassy. And Alpine tweeters deliver highs that sparkle. Cymbals and strings soar delicately and never grate on your ears. From the throb of a timpani to the tinkle of a triangle, Alpine speakers deliver lifelike sound.

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Computerized design and analysis help create more efficient, powerful speakers.

Computer simulation of the magnetic fields that affect speaker performance.



In order to achieve optimum designs for the entire range of Alpine speakers, computer simulations are used in every stage of the design process. Computer-assisted design helps us to determine speaker shape, magnetic field strength, and so on. Analysis of simulated performance parameters provides the data necessary to ascertain accurate efficiency, output, and other criteria.

Testing 1,2,3... and more. A full battery of tests ensures reliability under all conditions.

Temperature testing: we don't know where our speakers will be used, so we make sure they can be used everywhere.



Testing speakers "on the bench" is important, but unfortunately, the in-car listening environment is less than ideal. So we subject our speakers to extremes of heat and cold, vibration and shock, to make sure they can perform under all types of conditions. They're also installed in a variety of car interiors, where placement, installation, and the effects of interior acoustics can be evaluated by mechanical and human testing.

We never forget the most important test instrument: the human ear.

Listening tests are conducted both in the lab and out on the road.



There is one more important step in the creation of every Alpine speaker. Since purely scientific and engineering standards cannot determine what will sound best, Alpine audio experts evaluate sound quality both in controlled environments and on the road. Their subjective feedback is the final, critical factor in producing speaker systems that will sound "just right."

Nothing but the finest materials go into Alpine speakers – like our non-pressed paper cones.

Non-pressed, naturally dried paper is the ideal material for car speaker cones.



After years of research, we've found that natural paper yields the best results, so we use it in all our speaker cones. It is less harsh and brittle sounding than pressed paper, and has less synthetic resonance than carbon. In addition, the sound speed of non-pressed paper (2,200 – 3,000ms) is superior to that of polypropylene (2,000ms), so the rise time of each sound is faster. Although the deposition technique used to produce these cones is painstaking and time-consuming, it results in the best combination of awesome bass power, fast, accurate response, and overall purity.

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Polyimide Bobbin

Heat-resistant polyimide bobbins are ideal for high power outputs.

Soft Dome Tweeter

A tweeter with a coated dome surface featuring excellent resonance and linearity characteristics.



**The speaker is the final link between you and the music.
When you want to be positive that link is strong...**

Choose a speaker from our Reference range. First, examine it. You'll notice that it's precision constructed – a fine piece of craftsmanship. It's heavy, too – the magnets are large and powerful, and the speaker frames are rugged and sturdy. It uses only the finest parts and materials, including natural rubber edges, polyimide bobbins, and even silk in the soft dome

tweeters. But of course the real test is to listen to it. And auditioning a BB (Reference) Series speaker will, we think, convince you. The sound is simply as natural and full, as crisp and detailed, as you have ever heard from a car audio speaker. Probably more so, because these speakers are in fact setting the standard of reference for the rest of the industry.

**When all the materials are superior,
the speaker sounds superior.**



Neodymium magnets are extremely powerful for their size.



Heat-resistant polyimide bobbins are ideal for high power.



Natural rubber edges resist distortion and fatigue.



Double damper design helps to ensure optimum speaker response.

Even more so than other audio components, the speaker is intimately involved with the music: it actually moves with the music. And therefore the materials used have a direct, immediate effect on the sound being produced. Which is why Alpine has gone to extraordinary lengths to select and produce the finest materials possible. Natural rubber has been challenged by synthetics for speaker edge construction, but no other material can handle the extra throw of deep bass sounds with so little distortion or fatigue. Even the most thumping, high-power bass is incredibly clean-sounding because of its naturally quick response. Powerful magnets are one of the prime requirements for the quick response and high output of top quality speakers. For our tweeter magnets, we use neodymium, a rare-earth alloy that

pound-for-pound is the most powerful available. Its strength not only makes it perfect for maximum power output, but also enables us to make slimmer coaxial speakers. Most Alpine speakers feature polyimide bobbins that are unaffected by the heat generated during high power output. Not only is polyimide an excellent electrical insulator, but it also resists the effects of chemical changes and cold. And to ensure that these speakers can handle the heat, they don't just contribute to the sound of their own music, they use specially designed double dampers. The list goes on and on: soft dome tweeters made of silk for smooth, even response, large-diameter voice coils, gold-plated terminals and more. The end result is speakers that we're proud of – and that you will love to listen to.

6963COAXIAL 2-WAY
SPEAKER
SYSTEM

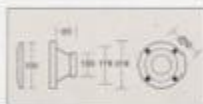
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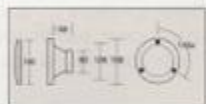
- 6" x 9" (15cm x 23cm)
- 150W PEAK POWER
- 50W NOMINAL POWER
- 44Hz—22kHz
- NON-PRESSED PULP CONE WOOFER
- SOFT DOME TWEETER
- NEODYMIUM MAGNET
- OFC VOICE COIL

**6863**COAXIAL 2-WAY
SPEAKER
SYSTEM

- 8" (20cm)
- 150W PEAK POWER
- 50W NOMINAL POWER
- 45Hz—22kHz
- NON-PRESSED PULP CONE WOOFER
- SOFT DOME TWEETER
- NEODYMIUM MAGNET
- OFC VOICE COIL

**6663**COAXIAL 2-WAY
SPEAKER
SYSTEM

- 6-1/2" (16cm)
- 150W PEAK POWER
- 50W NOMINAL POWER
- 47Hz—22kHz
- NON-PRESSED PULP CONE WOOFER
- SOFT DOME TWEETER
- NEODYMIUM MAGNET
- OFC VOICE COIL

**6563**COAXIAL 2-WAY
SPEAKER
SYSTEM

- 5-1/2" (14cm)
- 100W PEAK POWER
- 35W NOMINAL POWER
- 70Hz—22kHz
- NON-PRESSED PULP CONE WOOFER
- SOFT DOME TWEETER
- NEODYMIUM MAGNET
- OFC VOICE COIL

**6562**2-WAY COMPO-
NENT SPEAKER
SYSTEM

- 6-1/2" (16cm)
- 150W PEAK POWER
- 50W NOMINAL POWER
- 50Hz—22kHz
- NON-PRESSED PULP CONE WOOFER
- SOFT DOME TWEETER
- NEODYMIUM MAGNET
- OFC VOICE COIL
- ANTI-VIBRATION STEEL FRAME

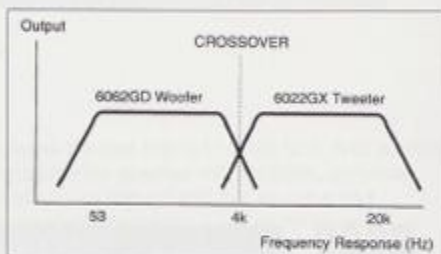


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When each speaker is designed to handle a specific frequency range, the results are outstanding.

If you've decided that you want to move up to the highest levels of the car audio experience, you need a multi-channel system. Alpine's newest BB (Reference) Multi-Channel speakers are designed and built to meet the demands of these state-of-the-art configurations. Each one handles a specific frequency range, and is therefore optimized for absolute maximum efficiency. For example the 6022GX tweeter has a large 30mm soft dome with a low crossover of 4kHz and a power rating of 50W. As a result of its extra-wide frequency response, it provides much clearer output in its assigned range with excellent front imaging. The low 4kHz crossover is important because midrange sound tends to degrade above 5kHz. Since the 6022GX is capable of crossing over at 4kHz, overall sound is much cleaner and distortions is virtually eliminated. In addition, it employs a large neodymium magnet that ensures superior dynamic range. The other new additions to our range utilize epoxy-coated non-pressed pulp cones. In addition to being highly resistant to temperature and humidity, these exceptionally well designed units combine together to produce the best in multi channel performance. These speakers complement each other perfectly, producing sound that is not only crystal-clear, but smooth and powerful throughout the entire frequency spectrum. These are the ideal speakers for a true reference-quality car audio system.



The use of two separate speakers provides a broad response pattern with a more powerful, focused output in each range. The response of each speaker is perfectly optimized for its purpose within a multi channel system.

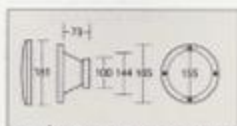
6062GD

6-1/2" MIDWOOFER



- 6-1/2" (16cm DIN) • 180W PEAK POWER
- 60W NOMINAL POWER • FREQUENCY RESPONSE: 53Hz - 7kHz • SENSITIVITY: 89dB
- MAGNET WEIGHT: 427g • INSTALLATION DIAMETER: 144mm • DEPTH: 73mm • EPOXY-COATED NON-PRESSED PULP CONE • OFC VOICE COIL • RUBBER EDGE • EXTENDED POLE
- LARGE STRONTIUM MAGNET • PRESTIGIOUS DESIGN AND LOGO BADGE (REMOVABLE TO PREVENT THEFT) • 24K GOLD-PLATED TERMINALS

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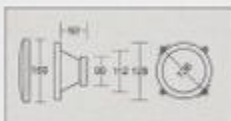
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6052GD

5-1/4" MIDRANGE



• 5-1/4" (13cm) • 150W PEAK POWER • 50W NOMINAL POWER • FREQUENCY RESPONSE: 60Hz - 8kHz • SENSITIVITY: 87dB • MAGNET WEIGHT: 310g • INSTALLATION DIAMETER: 112mm • DEPTH: 52mm • EPOXY-COATED NON-PRESSED PULP CONE • OFC VOICE COIL • RUBBER EDGE • EXTENDED POLE • LARGE STRONTIUM MAGNET • PRESTIGIOUS DESIGN AND LOGO BADGE (REMOVABLE TO PREVENT THEFT) • 24K GOLD-PLATED TERMINALS

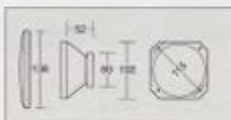


6042GD

4" MIDRANGE



• 4" (10cm) • 150W PEAK POWER • 50W NOMINAL POWER • FREQUENCY RESPONSE: 74Hz - 10kHz • SENSITIVITY: 87dB • MAGNET WEIGHT: 226g • INSTALLATION DIAMETER: 102mm • DEPTH: 52mm • EPOXY-COATED NON-PRESSED PULP CONE • OFC VOICE COIL • RUBBER EDGE • EXTENDED POLE • LARGE STRONTIUM MAGNET • PRESTIGIOUS DESIGN AND LOGO BADGE (REMOVABLE TO PREVENT THEFT) • 24K GOLD-PLATED TERMINALS



6022GX

1-3/16" SOFT DOME TWEETER



• 1-3/16" (3cm) • 150W PEAK POWER • 50W NOMINAL POWER • FREQUENCY RESPONSE: 4kHz - 20kHz • SENSITIVITY: 92dB • MAGNET WEIGHT: 16g • INSTALLATION DIAMETER: 56mm • DEPTH: 26mm • 30mm PHENOL-COATED SILK SOFT DOME • NEODYMIUM MAGNET • COPPER CLAD ALUMINIUM VOICE COIL • ALUMINIUM VOICE COIL BOBBIN • FLUSH AND SURFACE MOUNTING • PRESTIGIOUS DESIGN AND LOGO BADGE (REMOVABLE TO PREVENT THEFT) • 24K GOLD-PLATED TERMINALS



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Multi-channel systems let you experience the ultimate in car audio reproduction.

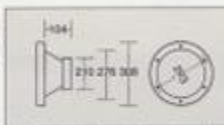
If you've decided that you want to move up to the highest levels of the car audio experience, you need a multi-channel system. That is, a system that uses separate amps and divider networks for the bass, midrange and treble frequencies. The Alpine Reference Multi-Channel Speakers are designed and built to meet the demands of such state-of-the-art configurations. With a multi-

channel setup, individual speaker units never interfere with each other, even in three-way or four-way systems. And power-sapping ultralow frequencies can never affect the delicate reproduction of high frequency response. These speakers look, and sound, impressive. Each handles its own frequency range masterfully, and the total sound blends smoothly and beautifully.

BB (REFERENCE) MULTI-CHANNEL SPEAKER SYSTEMS

6012 EX

12" SUBWOOFER

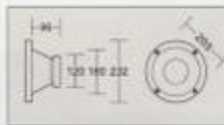


This model does not have a grill.

- 12" (30cm)
- 600W PEAK POWER
- 200W NOMINAL POWER
- 70Hz—1kHz
- NON-PRESSED PULP CONE
- DOUBLE DAMPER

6081

8" SUBWOOFER



- 8" (20cm)
- 300W PEAK POWER
- 100W NOMINAL POWER
- 45Hz—2kHz
- NON-PRESSED PULP CONE
- DFC VOICE COIL

6013 EX

10" SUBWOOFER



- 10" (25cm)
- 300W PEAK POWER
- 100W NOMINAL POWER
- 22Hz—1.2kHz
- NON-PRESSED PULP CONE
- DOUBLE DAMPER

6011CX

1" TWEETER

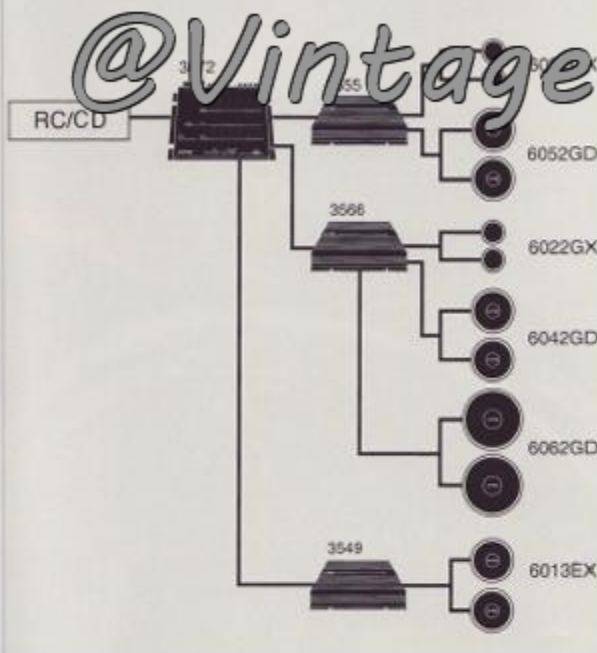


- 1" (2.5cm)
- 150W PEAK POWER
- 50W NOMINAL POWER
- 2kHz—22kHz
- SOFT DOME

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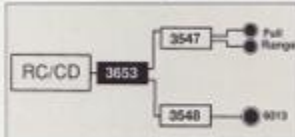
RECOMMENDED SYSTEM 1

Dividing networks allow multi-speaker flexibility with a minimum of fuss.



3653

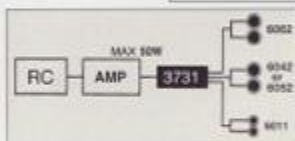
2-CHANNEL ACTIVE DIVIDING NETWORK



- FOR SUBWOOFER/FULL RANGE OR FULL RANGE/TWEETER SYSTEMS • STEREO/MONO SWITCH for working with a bridged amp driving a single monaural channel
- PHASE SWITCH for compensating for acoustic irregularities or to improve imaging

3731

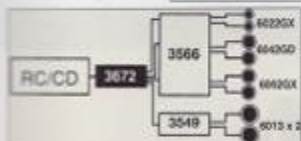
3-CHANNEL PASSIVE DIVIDING NETWORK



- COST-EFFECTIVE WAY OF POWERING THREE PAIRS OF SPEAKERS BY A SINGLE AMP

3672

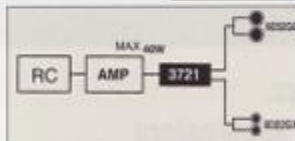
4-CHANNEL ACTIVE DIVIDING NETWORK



- FRONT CHANNELS: 1 OR 2-WAY DIVISION
- REAR CHANNELS • 2 OR 3-WAY DIVISION
- FADING CAPABILITY • DRIVES 1 PAIR OF SUBWOOFERS (non-fadable) • DC-DC CONVERTER • WIDE DYNAMIC RANGE, LOW NOISE • VARIABLE LEVEL AND CROSSOVER CONTROLS

3721

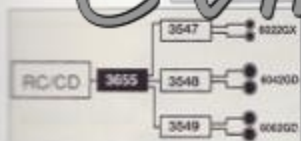
2-CHANNEL PASSIVE DIVIDING NETWORK



- FOR DRIVING TWO PAIRS OF SPEAKERS BY A SINGLE AMP • GOLD-PLATED SCREW CONNECTORS

3655

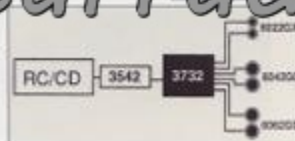
3-CHANNEL ACTIVE DIVIDING NETWORK



- FRONT/REAR CHANNELS OR 2-WAY DIVISION • FADING CAPABILITY • DRIVES 1 PAIR OF SUBWOOFERS (non-fadable) • WIDE DYNAMIC RANGE, LOW NOISE • VARIABLE LEVEL AND CROSSOVER CONTROLS

3732

3-CHANNEL PASSIVE DIVIDING NETWORK



- FOR DRIVING THREE PAIRS OF SPEAKERS BY A SINGLE AMP • GOLD-PLATED SCREW CONNECTORS, COPPER CASE, AND HIGH-GRADE COMPONENTS used to minimize internal losses and improve high-frequency response • IMPEDANCE COMPENSATION CIRCUIT

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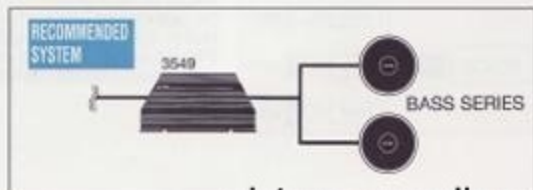
**More than just extra bass,
these high performance subwoofers
improve overall sound quality.**

Alpine's new "Bass Series" speakers will give the bass range all the extra boost you want. But they can also play an important function in upgrading your system. Due to road noise and the nature of automobile interiors, bass response is often far less than what it should be. A well-installed, high-quality subwoofer is the ideal way to overcome this, restoring natural balance so that all music is heard with greater depth, clarity and definition. The new Bass Series models are built for the highest quality and durability, with special features like a heavy-duty non-pressed top cone, double damper rings and a reinforced, extended yokes, and large strontium magnets.



Speaker 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

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6126GXBASS SERIES
SUBWOOFER

• 12" (30cm) • 300W PEAK POWER • 100W NOMINAL POWER • 25Hz – 2kHz • EPOXY-COATED NON-PRESSED PULP CONE for powerful response and non-fatigue strength even after long periods of use; prevents cone rippling
 • DOUBLE DAMPER reduces deformation of cone as it moves, thus preventing distortion
 • EXTENDED, VENTED POLE STRUCTURE for low-distortion response
 • EXTENDED YOKE allows large movements in response to high inputs • 850g POWERFUL STRONTIUM MAGNET

**6106GX**BASS SERIES
SUBWOOFER

• 10" (25cm) • 300W PEAK POWER • 100W NOMINAL POWER • 35Hz – 3kHz • EPOXY-COATED NON-PRESSED PULP CONE for powerful response and non-fatigue strength even after long periods of use; prevents cone rippling
 • DOUBLE DAMPER reduces deformation of cone as it moves, thus preventing distortion
 • EXTENDED, VENTED POLE STRUCTURE for low-distortion response
 • EXTENDED YOKE allows large movements in response to high inputs • 850g POWERFUL STRONTIUM MAGNET

**6086GX**BASS SERIES
SUBWOOFER

• 8" (20cm) • 300W PEAK POWER • 100W NOMINAL POWER • 44Hz – 3kHz • EPOXY-COATED NON-PRESSED PULP CONE for powerful response and non-fatigue strength even after long periods of use; prevents cone rippling
 • DOUBLE DAMPER reduces deformation of cone as it moves, thus preventing distortion
 • EXTENDED, VENTED POLE STRUCTURE for low-distortion response
 • EXTENDED YOKE allows large movements in response to high inputs • 570g POWERFUL STRONTIUM MAGNET



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High performance speakers built for Sonic Excellence.

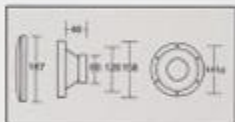
The speakers in the 6 Series are primarily designed for use as front speakers – they are slim enough for tight in-door installations – although the larger units are powerful enough for rear channel use. All of them offer a practical blend of performance, durability, and installation ease. 6 Series woofers use laminated pulp cones. Their extremely stiff surfaces respond with high precision to even large power bursts, maintaining low distortion. Tweeters use special polyimide for better sound quality. A number of the same materials and technologies used to create the BB (Reference) Series went into the 6 Series, and the results are clearly apparent. They deliver well-balanced frequency response even at high power inputs and superb detail, so each sound stands out clearly and overall sound imaging is excellent. Their natural sound is worthy of any top-grade system. We are extremely proud of the 6 Series. These speakers prove that Alpine offers exceptionally good, solid performance at down-to-earth prices.

6066EX

2-WAY
COMPONENT
SPEAKER SYSTEM



• 6-1/2" (16cm) • 120W PEAK
POWER • 40W NOMINAL
POWER • 50Hz – 22kHz
• NEODYMIUM MAGNET
• ANGLE SPACER for
achieving best directionality



6056ED

2-WAY
COMPONENT
SPEAKER SYSTEM



• 5-1/4" (13cm) • 120W PEAK
POWER • 40W NOMINAL
POWER • 50Hz – 22kHz
• NEODYMIUM MAGNET
• ANGLE SPACER for
achieving best directionality

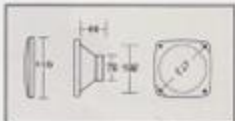


6046ED

2-WAY
COMPONENT
SPEAKER SYSTEM



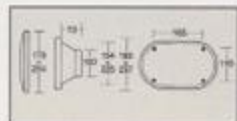
• 4" (10cm) • 90W PEAK POW-
ER • 30W NOMINAL POWER
• 70Hz – 22kHz • NEODYMIUM
MAGNET • ANGLE SPACER for
achieving best directionality



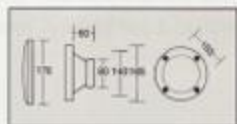
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6396GX3-WAY SPEAKER
SYSTEM

- 6" x 9" (15cm x 23cm)
- 150W PEAK POWER
- 50W NOMINAL POWER
- 40Hz - 22kHz
- BALANCED DOME TWEETER
- NEODYMIUM MAGNET

**6266GD**COAXIAL 2-WAY
SPEAKER SYSTEM

- 6-1/2" (16cm DIN)
- 120W PEAK POWER
- 40W NOMINAL POWER
- 50Hz - 22kHz
- BALANCED DOME TWEETER
- NEODYMIUM MAGNET

**6256GD**COAXIAL 2-WAY
SPEAKER SYSTEM

- 5-1/4" (13cm)
- 90W PEAK POWER
- 30W NOMINAL POWER
- 55Hz - 21kHz
- SEMI-HARD DOME TWEETER

**6010EX**

TWEETER



- 9/16" (1.4cm)
- 120W PEAK POWER
- 40W NOMINAL POWER
- 5kHz - 22kHz
- DOME TWEETER



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High-efficiency designs for maximum system enjoyment.

The byword of the Alpine 7 Series is efficiency. Each of these speakers has been designed to make the most of every watt of power. So even if you don't have a power amplifier, your system will perform up to its maximum capabilities. And if you do add an amp, the 7 Series speakers will rise to the occasion with full-frequency, dynamic response. They use paper pulp cones similar to the BB (REFERENCE) Series speakers, so even the slim models built for door installation retain high sound quality up to their maximum rated inputs. Efficiency refers to cost-efficiency, as well. 7 Series speakers are priced to be within entry-level budgets, so everyone can start building their car audio system around a pair of good, reliable speakers.

6397GX

3-WAY SPEAKER SYSTEM



- 6" (152mm) Dia. (2 1/8")
- 90W PEAK POWER
- 30W NOMINAL POWER
- 48Hz - 22kHz
- STRONTIUM MAGNETS
- POLYIMIDE VOICE COIL BOBBIN
- BLACK COATING & FINE-MESH GRILLE



6367GX

3-WAY SPEAKER SYSTEM



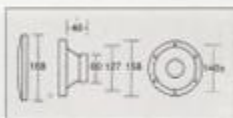
- 6" (152mm) Dia. (2 1/8")
- 90W PEAK POWER
- 30W NOMINAL POWER
- 55Hz - 21kHz
- STRONTIUM MAGNETS
- POLYIMIDE VOICE COIL BOBBIN
- BLACK COATING & FINE-MESH GRILLE



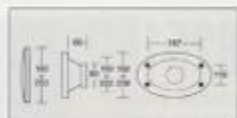
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6267GXCOAXIAL 2-WAY
SPEAKER SYSTEM

- 6-1/2" (16cm)
- 90W PEAK POWER
- 30W NOMINAL POWER
- 55Hz - 20kHz
- STRONTIUM MAGNETS
- POLYIMIDE VOICE COIL BOBBIN
- BLACK COATING & FINE-MESH GRILLE

**6297GX**COAXIAL 2-WAY
SPEAKER SYSTEM

- 6" x 9" (15cm x 23cm)
- 90W PEAK POWER
- 30W NOMINAL POWER
- 48Hz - 21kHz
- STRONTIUM MAGNETS
- POLYIMIDE VOICE COIL BOBBIN
- BLACK COATING & FINE-MESH GRILLE

**6247GD**COAXIAL 2-WAY
SPEAKER SYSTEM

- 4" (10cm)
- 45W PEAK POWER
- 15W NOMINAL POWER
- 70Hz - 21kHz
- STRONTIUM MAGNETS
- POLYIMIDE VOICE COIL BOBBIN
- BLACK COATING & FINE-MESH GRILLE

**6257GD**COAXIAL 2-WAY
SPEAKER SYSTEM

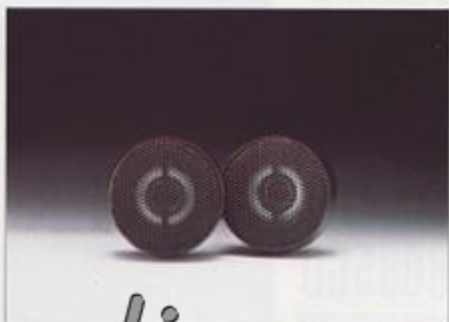
- 5-1/4" (13cm)
- 60W PEAK POWER
- 20W NOMINAL POWER
- 60Hz - 21kHz
- STRONTIUM MAGNETS
- POLYIMIDE VOICE COIL BOBBIN
- BLACK COATING & FINE-MESH GRILLE

**6204AX**COAXIAL 2-WAY
SPEAKER SYSTEM

- 4" (10cm)
- 60W PEAK POWER
- 20W NOMINAL POWER
- 60Hz - 21kHz

**6017EX**

DOME TWEETER



- 30W PEAK POWER
- 30W NOMINAL POWER
- 5kHz - 20kHz



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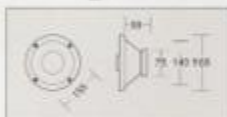
The easy, efficient way to upgrade sound quality

6261GD

COAXIAL 2-WAY
SPEAKER SYSTEM



- 6-1/2" (16cm DIN)
- 90W PEAK POWER
- 30W NOMINAL POWER
- 50Hz-21kHz
- LIGHT, LONG-FIBER PULP CONES
- FOAM SURROUND



6222GX

COAXIAL 2-WAY
SPEAKER SYSTEM



- 5" (12cm)
- 60W PEAK POWER
- 20W NOMINAL POWER
- 60Hz-21kHz

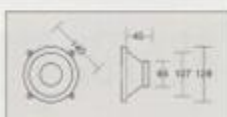


6251GD

COAXIAL 2-WAY
SPEAKER SYSTEM



- 5-1/4" (13cm)
- 60W PEAK POWER
- 20W NOMINAL POWER
- 80Hz-21kHz
- LIGHT, LONG-FIBER PULP CONES
- FOAM SURROUND



6157AD

DUAL CONE
SPEAKER SYSTEM



- 5-1/4" (13cm)
- 45W PEAK POWER
- 15W NOMINAL POWER
- 60Hz-20kHz

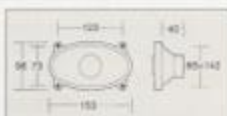


6221AX

COAXIAL 2-WAY
SPEAKER SYSTEM



- 4" x 6" (10cm x 15cm)
- 60W PEAK POWER
- 20W NOMINAL POWER
- 60Hz-21kHz



6241GX

COAXIAL 2-WAY
SPEAKER SYSTEM



- 4" (10cm)
- 30W PEAK POWER
- 10W NOMINAL POWER
- 70Hz-21kHz



6242AX

COAXIAL 2-WAY
SPEAKER SYSTEM



- 4" (10cm)
- 45W PEAK POWER
- 15W NOMINAL POWER
- 70Hz-21kHz



6137AX

DUAL CONE
SPEAKER SYSTEM



- 3-1/2" (8cm)
- 30W PEAK POWER
- 10W NOMINAL POWER
- 80Hz-20kHz



6065GD

2-WAY COAXIAL
SPEAKER SYSTEM



- 6-1/2" (16cm DIN)
- 90W PEAK POWER
- 30W NOMINAL POWER
- 50Hz-21kHz
- 2-UNIT SET
- TWEETER CAN BE ANGLED FOR BEST SOUND
- LIGHT, LONG-FIBER PULP CONES



6055GD

2-WAY COAXIAL
SPEAKER SYSTEM



- 5-1/4" (13cm)
- 60W PEAK POWER
- 20W NOMINAL POWER
- 60Hz-21kHz
- 2-UNIT SET
- TWEETER CAN BE ANGLED FOR BEST SOUND
- LIGHT, LONG-FIBER PULP CONES





GAIT-training course...



...with interested participants!



Winner-car of an IASCA-final!



The showroom in the trunk!



Perfect cosmetic integration of the 6562!



Custom-made door panels for a Corvettel



Europe

Perfect installation in your car?

Your Alpine dealer is the man to talk to.



...the abbreviation for „Globalisation of Alpine
on technology...“... of...
... is to be of... and...
... technology to our dealerships. They attend special
training courses and excellent permanent technical
support is available so that you can rely on the fact that

everytime you visit one of our Alpine-Dealers, you can
... the...
... system...
... the high quality standard of our products is the key for
the amazing sound quality, you will always hear, when
listening to an Alpine car-audio-system!

THE SPEAKERS





Installation Code	∅	Speaker Type	Coax- 2-Way / 3-Way / Compo-Systems				Multiway Speakers		
			Custom Speakers	7-Series	6-Series	Reference Series	Speaker Type	Model	
A	20 cm	2-Way				6863		6012 EX 6013 EX 6081	6126 GX 6125 GX 6086 GX
		3-Way		6397 GX	6396 GX				
		2-Way		6297 GX		6963			
C	16 cm	3-Way		6367 GX					
		2-Way	6261 GD	6267 GX	6266 GD	6663	Mid-Bass	6062 GD	
		2-W. Compo	6065 GD		6066 EX				
D	13 cm	2-Way	6251 GD 6222 GX	6257 GD	6256 GD	6563			
		2-W. Compo	6055 GD		6056 ED	6562	Midrange	6052 GD	
		Dual Cone	6157 AD						
E	10x15 cm	2-Way	6221 AX	6204 AX					
F	10 cm	2-Way	6241 GX 6242 AX	6247 GD			Midrange	6042 GD	
		2-W. Compo			6046 ED				
	8,7 cm	Dual Cone	6137 AX						
G	5 cm	Tweeter		6017 EX	6010 EX		Tweeter	6022 GX / 6011 CX	

SPEAKER INSTALLATION CHART

CAR - TYPE		CUSTOM			
ALFA ROMEO					
33	01/90-	6221	FG	FG	A,B,C,D,E,FG
75	11/85-	6221	D,FG		
165	02/92-	6241	D,FG	D,FG	C,D,FG
164	01/91-	6221,6157,6251	D,FG		C,D,FG
AUDI					
80	09/84-09/86		C,D,FG	FG	D,FG
80	10/86-	6241			D,FG
COUPÉ	09/88-	6241			A,B,C,D,E,FG
100	07/82-01/88	6241	FG		C,D,FG
100 + V-8	02/88-12/90	6241			D,FG
100	01/91-				D,FG
BMW					
3	10/85-11/90	6157,6251			D,FG
3	12/90-	6157,6251	FG		D,FG
3-TOUR	1988-	6157,6251			FG
5	01/83-	6055,6157,6251			D,FG
5	01/83-	6055,6157,6251			D,FG
7	09/79-09/86	6221			FG
7	10/86-	6055,6157,6251			D,FG
CITROEN					
AX	10/86-	6157,6251	D,FG	D,FG	B,C,D,E,FG
BX	09/86-	6055,6157,6251		FG	A,B,C,D,E,FG
ZX	04/91-	6157,6251	D,G	D,G	B,C,D,E,FG

DUE TO PERMANENT MODIFICATION OF CARS, PLEASE CHECK THE INSTALLATION-LOCATION BEFORE OR CONTACT YOUR ALPINE DEALER!

SPEAKER INSTALLATION CHART

CAR - TYPE		CUSTOM			
ALFA ROMEO XANTIA XM XM-BREAK	1983-07/89-01/92-	6065,6261 6065,6261	D,F,G	D,G	B,C,D,E,F,G D,F,G
CHRYSLER					
VOYAGER	1990-	6157,6251	C,D,F,G		B,G
DAIHATSU					
CUORE	1993-		D,F,G	D,F,G	B,C,D,E,F,G
CHARADE	1988-1992			FG	B,C,D,E,F,G
CHARADE	1993-		D,F,G	D,F,G	B,C,D,E,F,G
APPLAUSE	1991-		FG	FG	D,F,G
FIAT					
PANDA	02/80-		FG	D,F,G	A,B,C,D,E,F,G
UNO	02/83-08/89	6157,6251	C,D,F,G		A,B,C,D,E,F,G
UNO	09/89-	6242	D,F,G	D,F,G	A,B,C,D,E,F,G
CINQUECENTO	1993-	6242	FG		B,C,D,E,F,G
TIPO	02/88-	6221,6242	D,F,G	D,F,G	B,C,D,E,F,G
CROMA	07/86-	6221	D,F,G		D,F,G
FORD					
FIESTA	1980-1988		D,F,G	FG	A,B,C,D,E,F,G
FIESTA	03/89-		D,G		D,F,G
ESCORT	10/90-		FG		B,C,D,E,F,G
ESCORT CABRIOLET	10/90-		FG	FG	
ORION	10/90		FG	FG	B,C,D,E,F,G
SIERRA 4-D	1987-1992		FG		D,F,G
SIERRA 5-D	1987-1992		FG		A,B,C,D,E,F,G
MONDEO 4-D	1993-		FG	FG	FG
MONDEO 5-D	1993-		FG	FG	B,C,D,E,F,G
SCORPIO	01/90-		FG		D,F,G
MAVERICK	1993-		C,D,F,G	FG	D,F,G
EXPLORER	1993-		D,F,G	FG	C,D,F,G
HONDA					
CIVIC	1991-		D,F,G		C,D,F,G
CRX	1990-1992		D,F,G	D,F,G	FG
CRX	1992-		D,F,G		D,F,G
ACCORD	1985-1992		D,F,G		C,D,F,G
ACCORD	1992-		D,F,G		B,C,D,E,F,G
PRELUDE	1992-		D,F,G		C,D,F,G
LEGEND	1992-		D,F,G		B,C,D,E,F,G
HYUNDAI					
PONY	1990-	6157,6251			C,D,F,G
LANTRA	1990-		FG	FG	C,D,F,G
S-COUPÉ	1991-				C,D,F,G
LANCIA					
DELTA	1993-	6261	D,F,G		C,D,F,G
DEDRA	1989-	6221	D,F,G	D,F,G	B,C,D,E,F,G
THEMA	1989-	6221	D,F,G		D,F,G
Y-10	1988-	6221	D,F,G		A,B,C,D,E,F,G
MAZDA					
121	1991-		D,F,G		C,D,F,G
323 4-D	09/85-08/89	6242	FG		C,D,F,G
323 4-D	1990-		D,F,G		C,D,F,G
323 3-D	09/85-08/89	6242	FG	FG	A,B,C,D,E,F,G
323 3-D	1990-		D,F,G		A,B,C,D,E,F,G
323 F	1990-		C,D,F,G		B,C,D,E,F,G

DUO TO PERMANENT MODIFICATION OF CARS, PLEASE CHECK THE INSTALLATION-LOCATION BEFORE OR CONTACT YOUR ALPINE DEALER!

SPEAKER INSTALLATION CHART

CAR - TYPE		CUSTOM			
626 D	1991-				D
626 4-D	1992-				C,D,F,G
XEDOS 6	1991-		D,F,G	D,F,G	B,C,D,E,F,G
MX-3	1991-		C,D,F,G		B,C,D,E,F,G
MX-5	1990-		D,F,G		
MX-6	1991-		C,D,F,G		B,C,D,E,F,G
MERCEDES					
190	01/83-03/93	6241			D,F,G
200-400 + 200-300T	01/85-	6222	D,F,G	F,G	D,F,G
S-CLASS	01/80-04-91	6221	D,F,G	F,G	F,G
MITSUBISHI					
COLT	1992-		C,D,F,G	D,F,G	C,D,F,G
GALANT 4-D	1993-				C,D,F,G
GALANT 5-D	1993-				D,F,G
LANCER	1992-		C,D,F,G	F,G	C,D,F,G
PAJERO	1992-		D,F,G	D,F,G	
NISSAN					
MICRA	01/87-11/92		F,G		B,C,D,E,F,G
MICRA	1993-		C,D,F,G		B,C,D,E,F,G
SUNNY 3-D	1991-		D,F,G		F,G
SUNNY 5-D	1991-		D,F,G		A,B,C,D,E,F
SUNNY TRAVELLER	1991-		D,F,G		D,F,G
PRIMERA 4-D	1989-		C,D,F,G	F,G	C,G
PRIMERA 5-D	1989-		C,D,F,G	F,G	B,C,D,E,F,G
PRIMERA TRAVELLER	1989-		C,D,F,G	F,G	C,D,F,G
100 NX	1990-		C,D,F,G	F,G	C,D,F,G
200 SX	1989-		D,F,G		A,B,C,D,E,F,G
OPEL					
CORSA	10/82-02/93	6242	D,F,G	F,G	B,C,D,E,F,G
CORSA	03/93-				B,C,D,E,F,G
ASCONA 4-D	08/81-09/88	6221	D,F,G	F,G	D,F,G
ASCONA 5-D	08/81-09/88	6221	D,F,G		B,C,D,E,F,G
KADETT 3-D	10/84-08/91	6242	D,F,G		B,C,D,E,F,G
KADETT 4-D	11/86-10/91	6241	B,C,D	B,C,D	A,B,C,D,E,F
ASTRA 3-D	09/91-				A,B,C,D,E,F,G
ASTRA 4-D	01/92-	6261			C,D,F,G
VECTRA 4-D	10/88-	6261			C,D,F,G
VECTRA 5-D	10/88-	6157,6251			A,B,C,D,E,F,G
OMEGA + CARAVAN	10/86-	6261			C,D,F,G
FRONTERA SPORT	1992-	6242	C,D,F,G		C,D,F,G
FRONTERA	1992-	6221,6242		D,F,G	D,F,G
PEUGEOT					
106	09/91-	6157,6251	D,G	D,G	B,C,D,E,F,G
205	09/83-	6157,6251	D,G		B,C,D,E,F,G
309	11/85-	6157,6251	D,G		B,C,D,E,F,G
306	1993-	6157,6251	D,F,G		A,B,C,D,E,F,G
405	1987-1992	6065,6261			C,D,F,G
605	1989-1991	6065,6261			B,C,D,E,F,G
RENAULT					
5	1985-1990	617,6251,6242	D,G		B,C,D,E,F,G
TWINGO	1993-				B,C,D,E,F,G
CLIO	05/90-	6157,6251	D,G		D,F,G
19 3-D	10/88-	6065,6261,6157,6251			B,C,D,E,F,G
19 CHAMADE	09/89-	6065,6261,6157,6251			C,D,G
21 4-D	03/86-	6065,6261,6157,6251			C,D,G
21 5-D	07/89-	6065,6261,6157,6251			A,B,C,D,E,F,G

DUE TO PERMANENT MODIFICATION OF CARS, PLEASE CHECK THE INSTALLATION-LOCATION BEFORE OR CONTACT YOUR ALPINE DEALER!

SPEAKER INSTALLATION CHART

CAR - TYPE		CUSTOM			
25	03/84-02/85	6261			A,B,C,D,E,F,G
ESPACE	07/84-04/91	6261			C,D,F,G
ESPACE	05/91-	6261,6157,6251	C,D,F,G		D,F,G
SAFRANE	1993-	6261	D,F,G	D,F,G	A,B,C,D,E,F,G
ROVER					
MINI COOPER	1988-		D,F,G		C,D,F,G
SEAT					
MARBELLA	1985-		FG	D,F,G	A,B,C,D,E,F,G
IBIZA	10/84-05/93	6221,6157,6251	D,F,G		A,B,C,D,E,F,G
TOLEDO	05/91-	6157,6251,6221,6137	D,G		A,B,C,D,E,F,G
SUBARU					
JUSTY	1988-	6242			A,B,C,D,E,F,G
IMPREZA	1993-		D,F,G	FG	C,D,F,G
LEGACY	1990-		D,F,G		C,D,F,G
SUZUKI					
SWIFT 3-D	1990-	6242,6221	C,D,F,G	FG	A,B,C,D,E,F,G
SWIFT 4-D	1990-	6242,6157,6251	C,D,F,G		D,F,G
TOYOTA					
STARLET	1991-		C,D,F,G		A,B,C,D,E,F,G
COROLLA COMPACT	1992-		D,F,G	FG	C,D,F,G
COROLLA 5-D	1992-		D,F,G	FG	A,B,C,D,E,F,G
COROLLA S. WAGON	1993-		D,F,G	FG	D,F,G
CARINA	1992-		C,D,F,G	FG	D,F,G
CELICA	1991-	6242	C,D,F,G	D,F,G	A,B,C,D,E,F,G
CAMRY	1992-		C,D,F,G		B,G
LEXUS	1992-		D,F,G	D,F,G	A,B,C,D,E,F,G
VOLVO					
440 + 460	1990-		FG	FG	B,C,D,E,F,G
850	1991-		D,F,G	D,F,G	C,D,F,G
940 + 960	1991		D,F,G	D,F,G	B,G
VOLKSWAGEN					
POLO	1985-	6221	D,F,G		B,C,D,E,F,G
POLO COUPÉ	1985-	6221	D,F,G		B,C,D,E,F,G
GOLF II	08/83-05/92	6221,6137	D,F,G		B,C,D,E,F,G
GOLF III	11/91-	6065,6261,6241			B,C,D,E,F,G
GOLF CABRIOLET	1988-		D,F,G	FG	
PASSAT 5-D	01/85-03/88	6221	D,F,G		A,B,C,D,E,F,G
PASSAT VARIANT	01/85-03/88	6221	D,F,G		
PASSAT 4-D	04/88-	6241	D,F,G		C,D,F,G
PASSAT VARIANT	09/88-	6241	D,F,G		
CORRADO	10/88-	6241,6221	D,F,G		B,C,D,E,F,G
BUS T-4	1991-	6241	D,F,G		C,D,F,G

Modifications of cars may occur and vary from country to country. Therefore, we recommend you to check our installation recommendation before installing the speaker or cutting any part of the car!

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ACCESSORIES

Type of Accessory	Description	Model	
INTERCONNECTORS	RCA-RCA Twin	Dual RCA Connector	4086
	RCA-DIN	Interconnector (RCA to DIN)	4095
		Interconnector (DIN to RCA)	4096
	CD Player	Speaker Out to RCA AUX-IN	4301
	High Power Radio Cassette	Speaker Out to RCA Input	4311
	Regular Power Radio Cassette	Speaker Out to RCA Input	4300
	AMP	Dual AMP Balancer	4312
EXTENSION CABLES	RCA Cable	OFC RCA Extension Cable (0.8 m)	4409
		PC-OCC RCA Extension Cable (2 m)	4420
		OFC RCA Extension Cable (2 m)	4421
		PC-OCC RCA Extension Cable (4 m)	4450
		OFC RCA Extension Cable (5 m)	4451
POWER SUPPLY ACCESSORIES	Power Supply	Power Supply Kit/6 Terminals	4046
		Power Supply and Remote-on Cable for 30A (7 m)	4330
		Power Supply and Remote-on Cable for 60A (7 m)	4331
		Power Supply and Remote-on Cable for 30A (3 m)	4334
		Power Supply and Remote-on Cable for 60A (3 m)	4335
CD SHUTTLE ACCESSORIES	For CD Shuttle	6 CD Magazine	4905
	For 3-Disc Changer	Colored Magazine (Set of Three)	4909
		CD Magazine for 3-Disc Changer	4907
	Interconnector	L-type DIN Cable between CD Shuttle and Control Unit	4910-02
Interconnector between RCA + 5 PIN DIN to 8 PIN DIN		4913	
NOISE SUPPRESSORS	Relay Noise	Auto Capacitor	4017
	Motor Noise	Motor Noise Suppressor, 20A	4020
	Alternator Noise	Alternator Noise Suppressor, 20A	4078
		Alternator Noise Suppressor, 30A	4080
Ground Noise	Ground Noise Canceller	4098	
OTHERS	Other	Detachable Front Panel Carrying Case	4548
REMOTE CONTROL	For 7525R/24R, 7619R/18R	Wireless Remote Control Unit	4370
QRB ACCESSORIES	Connector	QRB Connector for '90 Regular Power Unit	4561
		QRB Connector for '90/'91 Radio/Cassette	4562
		For '90/'91 Radio/Cassette with CD Shuttle Control Function	4563S
		QRB Connector for '91 CD Tuner	4564
		For Cass and Fan Plate for permanent installation	4100
		Case for 33.2	4107
		QRB Mother Case for '90/'91 Models	4560
QRB Mother Case for 7980M	4566		
DIGITAL OPTICAL ACCESSORIES	Extension Cable	Optical-Fibre Cable (2 m)	4915
		Optical-Fibre Cable (6 m)	4916
	Connector	Optical-Digital Adaptor between 5959 and 3900	4323

ACCESSORIES

4086



4046



4323



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4095
4096



4330
4334



4017



4301



4331
4335



4020



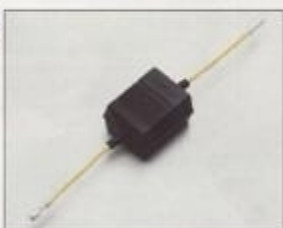
4312



4370



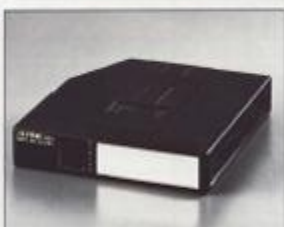
4078



4409
0,8 m
4421
2 m
4451
5 m



4905



4548



4420
2 m
4450
5 m



4909



4541
-42
-43
4553



4455



4910



4455



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FEATURES

	CD PLAYER				CD SHUTTLE SYSTEM				RADIO / CASSETTE										
	7980M	7807R	7805M	7804M	5959S	5967S	5952Z	1310R	7618R	7525R	7524R	7521R	7515R	7514L	7513L				
TUNER	PLL Synthesizer "MAX TUNE" Tuner																		
	12	12	12	12				12	12	12	12	12	12	12	12				
	6	6/6	6/6	6/6				6/6	6/6	6/6	6/6	6/6	6/6	6/6	6/6				
	Auto Memory																		
	Preset Address (P: Pointed Address)																		
	DYNAS																		
	Up/Down Seek																		
	Stere/Mono Switch																		
	Multipath Hunter																		
	RDS A.P.I.																		
	E.O.N.																		
	CT																		
	PTY																		
	Traffic Information																		
	SDK Indicator																		
	SDK Alarm Level Control																		
	LO/IX																		
	Direct Tuner Select Switch																		
	FM Level Switching																		
CASSETTE	Full Logic Cassette Mechanism																		
	Cassette Mechanism																		
	Soft Loading / Soft Eject																		
	Ignition Key Off Pause																		
	Head																		
	Music Sensor (P: Programm Sensor)																		
	Music Scan																		
	Blank Skip																		
	Repeat																		
	Return Eject																		
	Tap Play Pause																		
	Dolby Noise Reduction																		
	Auto Metal Selector																		
	MTL Indicator																		
	Tape In Indicator																		
	Tape Run Indicator																		
CD	Music Sensor Up/Down																		
	Forward/Backward																		
	MIX-Play (Random Play)																		
	Repeat																		
	Music Scan																		
	P.T.M. (Preferred Track Memory)																		
	Introduction Memory																		
	CD Title Memory																		
	Disc Play/Pause																		
	Direct Disc Selection																		
	Elapsed Time Display																		
	3	1	1	1	6	6	6												
	8 x	8 x	8 x	8 x	8 x	8 x	8 x												
	20	20	20	20	20	20	20												
	Digital Deemphasis																		
	Noise Shaping																		
GENERAL	CD Shuttle Control Function																		
	4 x 30				2 x 25				4 x 25				4 x 30			4 x 25			
	Selectable Fader																		
	Power Fader																		
	Preamp Fader																		
	Fixed Level Pre Out																		
	2	2	1				2	2	2	1	1	1	1						
	S.T.M. (Source Tone Memory)																		
	Separate Bass & Treble Control																		
	IN	IN	IN				IN				IN								
	Mute																		
	Loudness																		
	Volume Control (E=Electronic)																		
	Speaker Out																		
		4	2	4							4	2	2	4					
	Card Remote Controller (OP: Option)																		
	Power Antenna Lead																		
	Detachable Front Panel (D.F.P.)																		
	ORB																		
	Clock																		
	Automatic Set-up (A.S.U.)																		
	Ambience Sound Compensator (A.S.C.)																		
	Digital Output (OPT: Optical)																		
					OPT	OPT													

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SPECIFICATIONS

CD		CD Player				CD Shuttle System			1310R	
		7980M	7807R	7805M	7804M	5959S	5957S	5952Z		
FM	Tuning Range	87.5-108 MHz	87.5-108 MHz	87.5-108 MHz	87.5-108 MHz					
	Mono Usable Sensitivity	1.5 uV	0.7 uV	0.7 uV	0.7 uV					
	50 dB Quietening Sensitivity	20.7 dB	1.1 uV	1.1 uV	1.1 uV					
	Alternative Channel Sensitivity	80.0 dB	0.7 uV	0.7 uV	0.7 uV					
	Signal-to-Noise Ratio	60.0 dB	65.0 dB	65.0 dB	65.0 dB					
	Stereo Separation	35.0 dB	35.0 dB	35.0 dB	35.0 dB					
LW MW	Capture Ratio	2.0 dB	2.0 dB	2.0 dB	2.0 dB					
	Tuning Range	531-1,602 kHz	531-1,602 kHz	531-1,602 kHz	531-1,602 kHz					
	Sensitivity (*: IEC Standard)	31.6uV/30.0dB*	25.1uV/28.0dB*	25.1uV/28.0dB*	25.1uV/28.0dB*					
	Tuning Range	153-281 kHz	153-281 kHz	153-281 kHz	153-281 kHz					
CD	Sensitivity (*: IEC Standard)	63.2uV/36.0dB*	36.6uV/30.0dB*	36.6uV/30.0dB*	36.6uV/30.0dB*					
	Wow and Flutter (% WRMS)	B.M.L.	B.M.L.	B.M.L.	B.M.L.	B.M.L.	B.M.L.	B.M.L.		
	Signal-to-Noise Ratio (dB)	95	95	95	95	114	107	103		
	Channel Separation at 1 kHz (dB)	85	85	85	85	105	95	90		
	Dynamic Range at 1 KHz (dB)	95	95	95	95	98	96	96		
	Total Harmonic Distortion at 1 kHz(%)	0.006	0.01	0.01	0.01	0.0025	0.004	0.008		
	Frequency Response (Hz)	5-20 K	5-20 K	5-20 K	5-20 K	5-20 K	5-20 K	5-20 K		
		+0 dB	±1dB	±1dB	±1dB	+0 dB	+0 dB	+0 dB		
		-1.0 dB				-0.5 dB	-0.5 dB	-0.5 dB		
GENERAL	Power Output per Channel (Watts)	-	4 x 30	2 x 25	4 x 25	-	-	-	-	
	Output Voltage (mV at 10 K Ohm)	500	500	500	-	500	500	500	500	
	Bass at 30 Hz (dB)	±15	±15	±15	±15	-	-	-	±15	
	Treble at 10kHz/15kHz(*)/20kHz(**)(dB)	±12	±10	±10	±10	-	-	-	±12	
	Loudness at 100 Hz (dB)	-	-	-	-	-	-	-	+10	
	Chassis Size (mm)	Width	178 (178)	178	178	178	279	279	279	178 (180*)
		Height	50 (25)	50	50	50	71	71	71	50 (52*)
		Depth	153 (150)	152	152	152	155	155	155	30 (120*)
	Nose Piece Size (mm)	Width	171	172	172	172	279	279	279	171
		Height	48	49	49	49	71	71	71	48
Depth		23	23	22	22	23	23	23	22	

Radio Cassette Player		7618R	7525R	7524R	7521R	7515R	7514 M/L		7513 M/L	
FM	Tuning Range	87.5 - 108 MHz								
	Mono Usable Sensitivity	1.5 uV					0.7 uV			
	50 dB Quietening Sensitivity	20.7 dB					1.1 uV			
	Alternative Channel Sensitivity						80.0 dB			
	Signal-to-Noise Ratio	60.0 dB					65.0 dB			
	Stereo Separation						35.0 dB			
LW MW	Capture Ratio						2.0 dB			
	Tuning Range						531 - 1,602 kHz			
	Sensitivity (*: IEC Standard)	10.0 uV					25.1uV/28.0 dB*			
	Tuning Range						153-281 kHz			
CASSETTE	Sensitivity (*: IEC Standard)	20.0 uV					31.6uV/30.0 dB*			
	Wow and Flutter (% WRMS)	0.06	0.06	0.06	0.06	0.06	0.06		0.07	
	Tape Speed Accuracy (%)	±0.7	±0.7	±0.7	±0.7	±0.7	±0.7		±0.7	
	Stereo Separation (dB)	40	40	40	40	40	40		40	
	Signal-to-Noise Ratio (dB)	Dolby Off	60	60	60	60	60	60		60
		Dolby B On	68	68	68	68	68	68		68
		Dolby C On	75	75	-	-	-	-		-
	Frequency Response (Hz)		20-	30-	30-	30-	30-	30-		30-
		70 is Metal Tape	22 K	22 K	22 K	20 K	18 K	20 K		18 K
	GENERAL	Power Output per Channel (Watts)	-	4x30	4x25	4x25	2x25	2x25		4x25
Output Voltage at 10 Ohm		500	500	500	500	500	500		500	
Bass at 30 Hz (dB)		±15	±15	±15	±15	±15	±15		±15	
Treble at 10kHz/15kHz(*)/20kHz(**)(dB)		±12	±10	±10	±10	±10	±10		±12	
Loudness at 100 Hz (dB)		+10	+10	+10	+10	+10	+10		+10	
Chassis Size (mm)		Width	178	178	178	178	178	178		178
		Height	50	50	50	50	50	50		50
		Depth	153	156	156	156	156	156		156
Nose Piece Size (mm)		Width	171	172	172	172	172	172		172
		Height	48	49	49	49	49	49		49
	Depth	21	23	23	23	23	23		23	

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SPECIFICATIONS AMPLIFIERS

AMP	Multi Channel DC-DC Power Amplifier 3513S						2-Channel DC-DC Power Amplifier					BTL Power Amplifier		
	3558	3566	3555	3553	3527S	3526	3544	3549	3548	3547	3522S	3513S	3531	3503
Maximum Power Output (Watt)	4 x 60 + 2 x 120	4 x 60 + 2 x 120	4 x 120	4 x 90	4 x 70	4 x 50	2 x 210	2 x 140	2 x 125	2 x 100	2 x 65	2 x 50	4 x 40	2 x 40
Continuous Power Output (Watts)	4 x 40 (0.8 THD)	4 x 30 (0.8 THD)	4 x 50	4 x 35	4 x 25	4 x 20	2 x 150	2 x 100	2 x 60	2 x 45	2 x 30	2 x 20	4 x 18	2 x 18
Bridged Power Output (Watts)	2 x 80 or 2 x 60 + 1 x 200	2 x 60 or 2 x 40 + 1 x 100	0 x 2 x 100 or 2 x 100 + 1 x 200	0 x 2 x 70 or 2 x 70 + 1 x 140	0 x 2 x 50 or 2 x 50 + 1 x 100	0 x 2 x 40 or 2 x 40 + 1 x 80	60 (100W)	40 (60W)	40 (60W)	22 (30W)	15 (20W)	1 x 100 (0.3% THD)		
S/N Ratio IHF A Weighted (dB)	110	105	105	105	105	105	110	110	108	108	105	105	95	90
Frequency Response (Hz)	10-90 k (+0, -1 dB)	10-50 k (+0, -1 dB)	10-50 k (+0, -1 dB)	10-50 k (+0, -1 dB)	10-50 k (+0, -1 dB)	10-50 k (+0, -1 dB)	10-50 k (+0, -1 dB)	10-50 k (+0, -1 dB)	10-50 k (+0, -1 dB)	10-50 k (+0, -1 dB)	10-50 k (+0, -1 dB)	10-50 k (+0, -1 dB)	20-50 k (+0, -1 dB)	20-50 k (+0, -1 dB)
Crossover Frequency (Hz)		80 Hz (-18dB/oct)	80 Hz (-18dB/oct)	80 Hz (-18dB/oct)	80 Hz (-18dB/oct)	80 Hz (-18dB/oct)		50, 80 100, 120	80 Hz (-18dB/oct)	80 Hz (-18dB/oct)	80 Hz (-18dB/oct)	80 Hz (-18dB/oct)		
Input Sensitivity (mV/at 10 kohm)	Fixed 500mV	500mV	500mV	500mV	500mV	500mV	500mV	500mV	500mV	500mV	500mV	500mV	500mV	500mV
Input Connector	Variable RCA													
Speaker Lead														
Input Mode Selector														
Input Channel Selector														
Divider (HP/LP 80 Hz)														
Acoustic Compensation														
Duo-fl Circuit														
S.T.A.R. Circuit														
Gold Plated Terminals														
Status Monitor														
Multi Mode														
FET Power Supply														
Pre-out														
Noise Detection Coil														
Dimensions (mm)	Width	232	263	263	263	220	180	263	263	220	220	220	160	120
	Height	73	55	55	55	51	44	55	55	51	51	40	44	40
	Depth	400	340	300	270	250	220	300	300	180	160	130	150	100

EQUALIZER	Graphic Equalizer		Parametric Equalizer		Active Dividing Network			Digital Processor		
	3342	3331	3402		3672	3655	3653	3900	3681	3362
S/N ratio IHF A Weighted (dB)	100	100	100		100	100	100	103 dB	100 dB	100 (digital)
Frequency Response (Hz)	10-50 K (0, -1 dB)	20-30 K (0, -1 dB)	10-50 K (0, -1 dB)		10-50 K (0, -1 dB)	10-50 K (0, -1 dB)	10-50 K (0, -1 dB)	5-20 K (0, -2.5 dB)	20-20 K (± 1 dB)	20-20 K (± 1 dB)
Equalizing Frequency (Hz)	31,5 / 63 / 125 / 190		20-700 / 150-5 K / 1,2-22 K + Front (Band 1,2,3)							Front: 42, 68, 165, 380 800, 1,7k, 3,4k, 7,3k, 15k Rear: 28, 61, 123, 263, 580, 1,2k, 5k, 11k
Crossover Frequency (Hz)	80 Hz (-18 dB/oct)	50-120 Hz (-18 dB/oct)			FL 50-800FH 3K-10K RL 10-120RM 200-2K RH 3K-10K Sub 50-120	Low 50-1.6 K	x 1 Mode 50-500 x 20 Mode 1k - 10k		Low/Mid/Low 32-400 High/Mid/High 200-10k	
Tone Action Boost Cut (dB)	+/- 12	+/- 12	+/- 15		+/- 6 (H/M/L)	0-+12/-6/±6 (L/M/H)	0-+12/±6 (L/H)		Bass 100 Hz ± 10 dB Treble 10 kHz ± 10 dB	± 9
Subwoofer Level Control (dB)	0 - + 15	0 - + 15			0 - + 12	0 - + 12	0 - + 12		0 - + 12	0 - + 15
Input Sensitivity (mV at 10 kOhm)	850	500	500		500	500	500		750	750
Output Gain Control (dB)			0, - 20							-82 - 0
Input Connector	RCA									
DIN										
Speaker Lead										
Subwoofer										
Ctrl. Function	On/Off									
Phase In/Out										
Stereo/Mono										Mono
BBE										
Dimmer										
Preset Memory										
S.T.A.R. Circuit										
Gold Plated Terminals										
DC/DC Converter										
Digital Input										
DSP										
Time Delay Control									0 - 30ms	
Lighting Color	Dual									Dual
Surround Function										
Channel Divider										
Dimensions (mm)	Width (mm)	178 (172)	178	240	240	160	160	310	240	172 (240)
	Height (mm)	52 (49)	25	40	40	40	40	58	50	49 (50)
	Depth (mm)	115 (23)	130	160	160	120	120	220	160	160 (24)

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SPECIFICATIONS SPEAKERS

Model	Size	Type	Peak Power (watts)	Max. Power (watts)	RMS Power (watts)	Frequency Response (Hz)	Sensitivity (dB/W/m)	Installation Diameter (mm)	Depth (mm)	Woofer Magnet (g)		
REFERENCE	6963	6" x 9" (15x23 cm)	Coaxial 2-way	150	100	50	44-22 K	89	151 x 223	80	383	
	6813	6" x 9" (15x23 cm)	Coaxial 2-way	150	100	50	44-22 K	89	151 x 223	80	42	
	6663	6 1/2" (16 cm)	Coaxial 2-way	100	100	50	44-22 K	86	126	60	330	
	6563	5 1/4" (13 cm)	Coaxial 2-way	105	70	35	70-22 K	86	114	54	226	
	6562	5 1/4" (13 cm)	Component 2-way	150	100	50	50-22 K	87	120(54)	55(16)	280	
MULTI	6012EX	12" (30 cm)	Subwoofer	600	400	200	26-1 K	92	275	104	2700	
	6013EX	10" (25 cm)	Subwoofer	300	200	100	22-1.2 K	89	230	117	721	
	6081	8" (20 cm)	Subwoofer	300	200	100	45-2 K	89	180	96	720	
	6062GD	6 1/2" (16 cm)	Woofer	180	120	60	53-7 K	89	144	73	427	
	6052GD	5 1/4" (13 cm)	Woofer	150	100	50	60-8 K	87	112	52	310	
	6042GD	4" (10 cm)	Woofer	150	100	50	74-10 K	87	102	52	226	
	6022GX	1 3/16" (3 cm)	Dome Tweeter	150	100	50	4 K-20 K	92	59	26	16	
	6011CX	1" (2.5 cm)	Dome Tweeter	150	100	50	2 K-22 K	88	54	16	14	
	6 SERIES	6396GX	6" x 9" (15x23 cm)	3-Way	150	100	50	40-22 K	91	154 x 225	73	370
		6266GD	6 1/2" (16 cm DIN)	Coaxial 2-Way	120	80	40	50-22 K	91	140	60	226
6256GD		5 1/4" (13 cm)	Coaxial 2-Way	90	60	30	55-21 K	90	113	47	181	
6066EX		6 1/2" (16 cm)	Component 2-Way	120	80	40	50-22 K	90	126(47)	52	231	
6056ED		5 1/4" (13 cm)	Component 2-Way	120	80	40	50-22 K	89	114(47)	50	189	
6046ED		4" (10 cm)	Component 2-Way	90	60	30	70-22 K	88	102(47)	44	152	
6010EX		9/16" (1.4 cm)	Tweeter	120	80	40	5 K-22 K	91	47	17	-	
6126GX		12" (30 cm)	Subwoofer	300	200	100	26-2 K	91	268	125	850	
6106GX		10" (25 cm)	Subwoofer	300	200	100	35-3 K	91	227	105	850	
6086GX		8" (20 cm)	Subwoofer	300	200	100	44-3 K	88	182	94	570	
7 SERIES	6397GX	6" x 9" (15x23 cm)	3-Way	90	60	30	48-22 K	92	150 x 222	66	188	
	6297GX	6" x 9" (15x23 cm)	Coaxial 2-Way	90	60	30	48-21 K	92	150 x 222	66	188	
	6367GX	6 1/2" (16 cm)	3-Way	90	60	30	55-21 K	91	127	46	188	
	6267GX	6 1/2" (16 cm)	Coaxial 2-Way	90	60	30	55-20 K	91	127	46	188	
	6257GD	5 1/4" (13 cm)	Coaxial 2-Way	60	40	20	60-21 K	91	110	40	188	
	6247GD	4" (10 cm)	Coaxial 2-Way	45	30	15	70-21 K	90	102	42	152	
	6017EX	3/8" (1 cm)	Tweeter	90	60	30	5 K-20 K	87	45	15	-	
	6204AX	4" x 6" (10x15 cm)	Coaxial 2-Way	60	40	20	60-21 K	90	85 x 142	40	152	
	CUSTOM	6261GD	6 1/2" (16 cm DIN)	Coaxial 2-Way	90	60	30	50-21 K	91	140	58	181
		6251GD	5 1/4" (13 cm)	Coaxial 2-Way	60	40	20	80-21 K	90	107	45	127
6065GD		6 1/2" (16 cm DIN)	Component 2-Way	90	60	30	50-21 K	91	140(57)	58(23)	181	
6055GD		5 1/4" (13 cm)	Component 2-Way	60	40	20	60-21 K	89	107(57)	45(23)	152	
6116GX		6 1/2" (16 cm)	3-Way	90	60	30	55-21 K	91	127	46	188	
6216GX		6 1/2" (16 cm)	Coaxial 2-Way	90	60	30	55-21 K	91	127	46	188	
6221AX		4" x 6" (10x15 cm)	Coaxial 2-Way	60	40	20	60-21 K	90	85 x 142	40	152	
6242AX		4" (10 cm)	Coaxial 2-Way	45	30	15	70-21 K	90	102	43	126	
6241GX		4" (10 cm)	Coaxial 2-Way	30	20	10	70-21 K	89	93	40	122	
6137AX		3 1/2" (8 cm)	Dual Cone	30	20	10	80-20 K	88	80	33	152	

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