



## Features

- **6/5/4/3-CHANNEL OPERATION**—Can be used as a 6-channel amplifier producing 30 Wx4 into 4 ohms or 40 Wx4 into 2 ohms for front and rear satellites, and 60 Wx2(4 ohms) or 80 Wx2(2 ohms) for subwoofers. In the 5-channel mode, the two higher power channels are bridged together for 160 W into a 4 ohm subwoofer, while the other four channels produce 30 Wx4(4 ohms) or 40 Wx4(2 ohms). In the 4-channel mode, output is 80 Wx2 into 4 ohms plus 60 Wx2 into 4 ohms (or 80 Wx2 into 2 ohms). The 3-channel mode provides 80 Wx3 into 4 ohms.
- **MULTIMODE™ CAPABILITY**—Each pair of channels can simultaneously power a pair of stereo tweeter/midrange satellites and a bridged subwoofer (or a summed center channel speaker).
- **ACTIVE DIVIDING NETWORKS**—Built-in, switchable and independent electronic crossover networks at 80Hz (18 dB per octave) can be used to set up each amplifier for low-pass (subwoofer) or high-pass (tweeter/midrange satellite) applications. These networks can also be switched off to allow full-range signal amplification.
- **ACOUSTIC COMPENSATION CIRCUITRY**—A selectable (Off or On) equalization curve can be added to the amplifier's output signal, compensating for the inherent non-linearities of the automobile interior. It extends low bass response and eliminates mid-bass boominess, giving tightness and accuracy to the low frequency response of the audio system.
- **DUO-β FEEDBACK CIRCUITRY**—Alpine's proprietary Duo-Beta is a technologically-advanced form of feedback circuitry. Duo-Beta supplies low negative feedback throughout the audio frequency bandwidth and very high negative feedback at DC. This stabilizes the amplifier, removes DC offset, and offers excellent total harmonic distortion (THD) characteristics. It also provides low transient intermodulation distortion (TIM), excellent slew rate, stability, and musicality.
- **NO CURRENT LIMITING**—Absence of current limiters in the audio section ensures low TIM, excellent transient response, and superb sonic quality.
- **S.T.A.R. CIRCUITRY**—The Alpine-developed Signal Transit for Accurate Response circuit topology improves sonic properties by reducing interaction between different sections of the circuitry.
- **INPUT MODE SELECTORS**—STEREO, MONO OR SUM
- **INPUT CHANNEL SELECTOR FOR CH.5/6**
- **INDEPENDENT CONTINUOUSLY ADJUSTABLE GAIN CONTROLS FOR CH.1/2, CH.3/4 and CH.5/6**
- **STATUS MONITOR AND SUBWOOFER ON INDICATORS**
- **DUAL INDEPENDENT DC-TO-DC SWITCHING MODE POWER SUPPLIES**—One for Ch.1-4, the other for Ch.5/6.
- **FULLY DISCRETE, COMPLEMENTARY OUTPUT CIRCUITRY**
- **GOLD-PLATED RCA INPUT CONNECTORS**
- **GOLD-PLATED, SCREW-DOWN POWER AND SPEAKER TERMINALS**
- **HIGH PERFORMANCE, LOW NOISE, AUDIOPHILE QUALITY ACTIVE AND PASSIVE COMPONENTS**
- **THIRD-ORDER (18 dB PER OCTAVE) CAPACITIVE/INDUCTIVE POWER SUPPLY INPUT AND OUTPUT FILTERING**
- **EXTRA HEAVY DUTY CONSTRUCTION**

## Specifications

Maximum Power Output	600 Watts total
Power Output (14.4V supply, 20 Hz–20 kHz)	
Channels 1 and 2, 4 ohms (0.08% THD)	30 Wx2
or 2 ohms (0.3% THD)	40 Wx2
or 4 ohms (0.3% THD)	80 Wx1
Channels 3 and 4, 4 ohms (0.08% THD)	30 Wx2
or 2 ohms (0.3% THD)	40 Wx2
or 4 ohms (0.3% THD)	80 Wx1
Channels 5 and 6, 4 ohms (0.08% THD)	60 Wx2
or 2 ohms (0.3% THD)	80 Wx2
or 4 ohms (0.3% THD)	160 Wx1
Frequency Response	10 Hz to 50 kHz (+0, -1 dB)
Signal-to-Noise Ratio (referenced to rated power)	105 dBA

Slew Factor	Greater than 5
Input Sensitivity (for rated power)	100 mV to 2V (500 mV at detent)
Input Impedance	10 kohms
Speaker Impedance	4 or 2 ohms (stereo), 4 ohms (bridged)
Dividing Network Frequency and Slope	80 Hz, 18 dB/oct
Acoustic Compensation Effect	+5 dB at 40 Hz, -0.5 dB at 150 Hz
Power Requirement	11-16V DC (Negative ground)
Dimensions(WxHxD)	10-3/8"x2-3/16"x13-3/8"
	(263x55x340mm)
Weight	10 lb. 9 oz.(4.8 kg.)

NOTE: Design and specifications are subject to change without notice.

