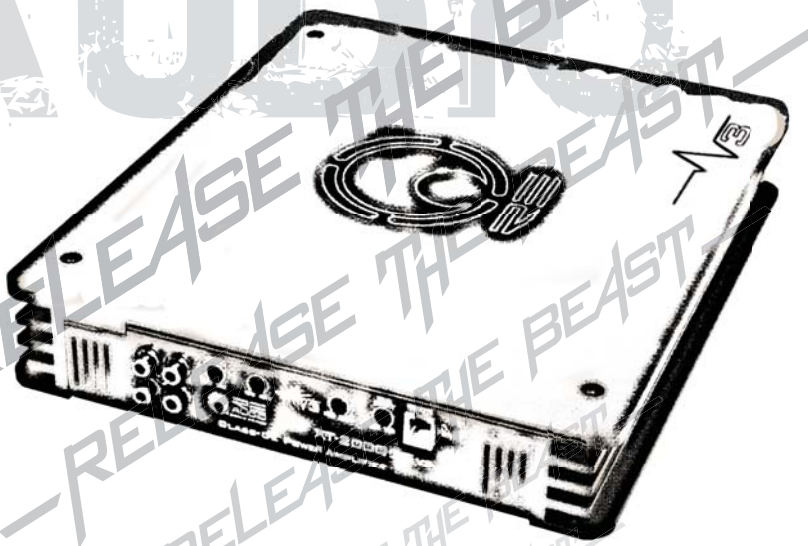
XTV3 SERIES

(XTERMINATOR V3)

Owners Manual
AND
Installation Guide



RE AUDIO
A Division of U.S. Amps

CONGRATULATIONS

on your selection of a RE Audio XT(v3) series amplifier.
We take pride in manufacturing our products and you can expect your new amplifier to give you years of trouble-free service.
To make your installation as easy and reliable as possible, please read this manual carefully before beginning.
If you need more information, your RE Audio Dealer will be glad to help.

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CAUTION !

Jump starting your vehicle can cause large voltage spikes within your automobile's electrical system. To prevent damage to your stereo system, make sure the entire system is shut down until full battery charge has been reached and jumper cables have been removed from the battery.

FEATURES

POWER SUPPLY– Newly Designed "ELEVATED EFFICIENCY PLATFORM"

- Upgraded High-current MOSFET devices
- 35 nanosecond Switching Diodes
- ENHANCED CURRENT PATHS ENABLING TWICE THE CURRENT FLOW:
    - Upgraded ferrite core material for improved saturation resulting in higher efficiency and lower noise
    - Improved filtering with double the capacitance
    - Double the current tracing–now found on top and bottom of circuit board
- Multiple Bypass Capacitors on incoming 12V supply
- Improved Time Delay Turn–On Muting Circuits
- Thermal and Reverse Polarity Protection

AMPLIFIERS

- "Elevated Efficiency" Class "D" design(XT-2000DEV3, XT-4000DEV3)
- Output stages utilize "High-Current" MOSFET devices(XT-2000DEV3, XT-4000DEV3)
- High speed, audio-grade components in all low-level stages
- Active Constant Current Bias Tracking Circuit
- Platinum-plated RCA inputs and connectors
- Improved sensitivity for better integration with low voltage sources
- 24dB/octave Subsonic Crossover
- 24dB/octave Lowpass Crossover
- True Line Output
- Auto Bridge feature
- Short Circuit Protection

INSTALLATION

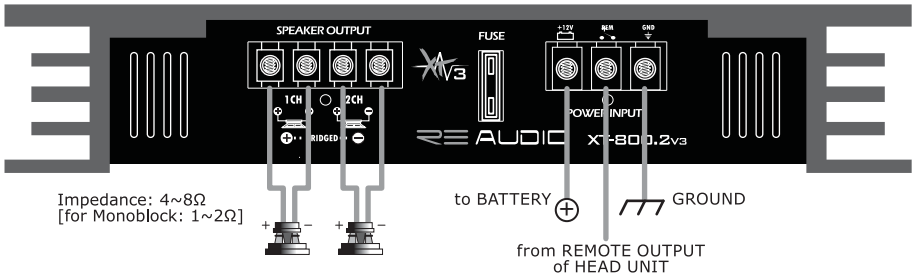
- Use at least #8 wire for power and ground connections
- Use at least #12 wire for speaker connections
- Use at least #16 wire for remote connection
- Mount the amplifier where it can receive the best ventilation
- Use the shortest ground connection to the chassis of the vehicle and make sure that the paint is removed at the connection point
- Connect the remote input to the remote/antenna output of the head unit
- Mount the fuse holder within 200mm(8") of the vehicle's battery. Use a fuse equal to that specified for your amplifier if a large, single +12V line is run which feeds more than one amplifier add up all required fuse ratings and use the total rating for the fuse
- Connect the speaker to the amplifier observing the correct phasing. Make sure that none of the speaker connections can touch the vehicle chassis
- Connect the RCA inputs to the appropriate signal source using only the highest quality RCA cables
- Make sure that the RCA and speaker cables do not run parallel to the +12V wiring

–RELEASE THE BEAST–

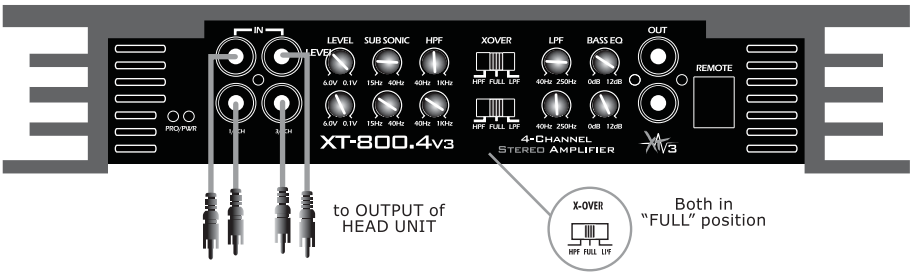
CONNECTIONS

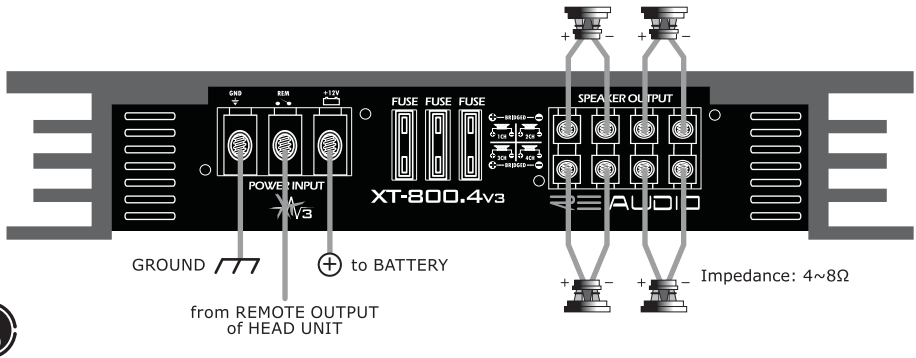
[Basic Wiring]

▲ 2-channel [800.2v3 & 1600.2v3] and Monoblock [2000DEv3/4000DEv3] Amplifiers



▲ 4-channel [800.4v3 & 1600.4v3] Amplifiers

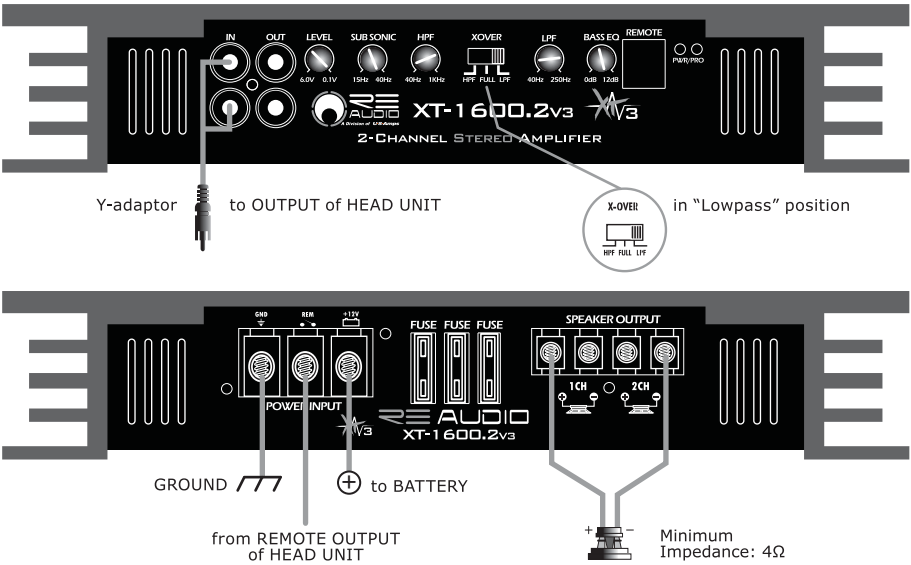




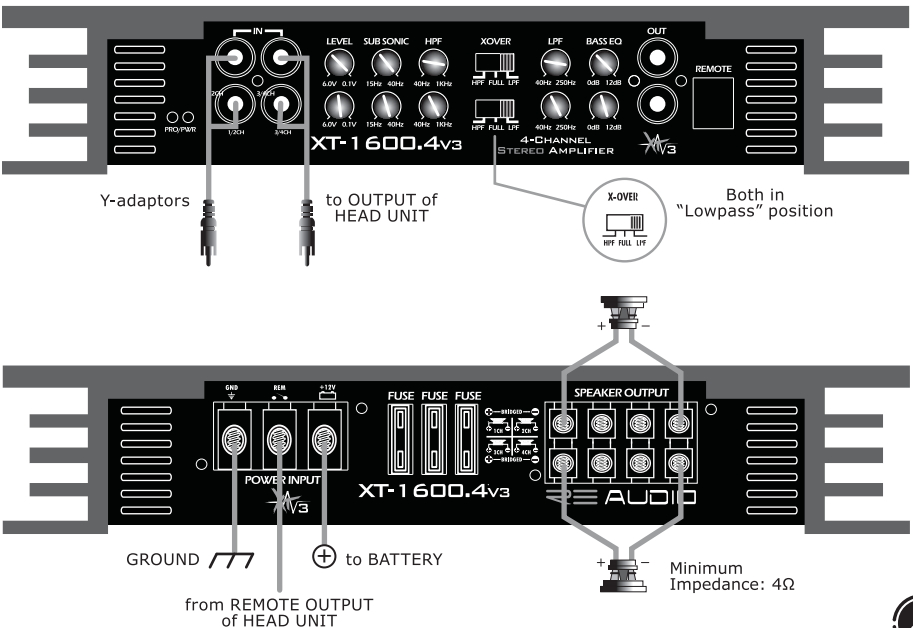
CONNECTIONS

[Bridged Wiring]

▲ 2-channel [800.2v3 & 1600.2v3] Amplifiers



▲ 4-channel [800.4v3 & 1600.4v3] Amplifiers



SPECIFICATIONS

					800.2v3	1600.2v3	800.4v3	1600.4v3	2000DEv3	4000DEv3
Power Output (RMS)	4Ω	1KHz	W		2 x 100	2 x 200	4 x 70	4 x 100		
		100Hz	W						1 x 400	1 x 500
at full frequency	2Ω	1KHz	W		2 x 200	2 x 400	4 x 120	4 x 200		
		100Hz	W						1 x 700	1 x 800
(10Hz~40KHz)	1Ω	1KHz	W							
		100Hz	W						1 x 1000	1 x 1500
(before clipping)	4Ω mono	1KHz	W		1 x 400	1 x 800	2 x 230	2 x 400		
Total Harmonic Distortion	4Ω	1KHz	%		0.02	0.02	0.02	0.02	•••	•••
S/N Ratio	Input Short	4Ω	dB		110	110	110	110	80	80
Channel Separation @ 4Ω RMS		1KHz	dB		89	89	89	89	N/A	N/A
Frequency Response			Hz		5~50K	5~50K	5~50K	5~50K	20~500	20~500
Power Band Width (Frequency Response)		-1dB	Hz					5	•••	•••
			KHz		50	50	50	50	•••	•••
Crossover Frequency	Low Pass	24dB	Hz		40~250	40~250	40~250	40~250	40~250	40~250
	Subsonic	24dB	dB		15~40	15~40	•••	15~40	15~40	15~40
	High Pass	12dB	Hz		40~1K	40~1K	40~1K	40~1K	•••	•••
Bass Boost Control @ 45Hz			dB		0~24	0~24	0~24	0~24	0~24	0~24
Wired Remote Control					yes	yes	yes	yes	yes	yes
Bridged Mono Capable			Ω		4	4	4	4		
Master Slave Capable										
Gain Control					Yes	Yes	Yes	Yes	Yes	Yes
Input Sensitivity	Low Level	1KHz	mV/V		200/8.0	200/8.0	200/8.0	200/8.0	200/8.0	200/8.0
	High Level	1KHz	V							
Input Impedance	Low		KΩ		22	22	22	22	22	22
	High		Ω							
Damping Factor			4Ω		300	300	300	300	150	150
Dimensions [10/254(W) x 1.875/48(H) x (L)]			in/mm		9.75/248	14.5/368	14.75/375	16/406	13.33/339	15.75/400
Fuse Rating			A		25A x 1	20A x 3	20A x 3	20A x 3	30A x 3	25A x 3
Protection (thermal/overload/short circuit/dc offset)					Yes	Yes	Yes	Yes	Yes	Yes
Power Voltage Range			V		12~18V	12~18V	12~18V	12~18V	12~18V	12~18V

* The specification is subject to change without notice.

TROUBLESHOOTING

Before removing your amplifier, refer to the list below and follow the suggested procedures. Always test the speakers and their wires first.

NO OUTPUT

• Confirm that all terminal strip connections are secure and tight.

• Check both in-line and built-in fuses.

• Confirm that the audio signal source (car radio, equalizer, etc) is connected and is supplying output signal. To check if the amplifier is supplying signal, unplug the RCA cables from the signal source (but leave them plugged into the amp) and briefly tap the center pin of each of the disconnected RCA plugs with your finger. This should produce a noise (feedback) in your speakers.

ONLY ONE CHANNEL WORKS

• Confirm that all terminal strip connections are secure and tight.

• Check the "BALANCE" control on the head unit (or other source) to verify that it is set to its mid point.

• If you are using the low-level RCA input, reverse the input plugs at the amplifier (switch the R with the L). If the channel which is silent switches to the other side, the problem is either in the head unit/other source or the connecting cables.

WEAK OUTPUT

• Re-adjust the Input Level Control to better suit the input signal.

NOISE IN THE AUDIO

• If the noise is a "whine" whose pitch follows the engine speed, confirm that the amplifier and any other signal sources (head unit, equalizer, etc) are properly grounded.

• If the noise is a "clicking" or "popping" noise whose rate follows the engine speed, this usually means that the vehicle is equipped with resistor spark plugs and wires, or that the ignition is in need of service.

• Check the routing of the speaker and input wires to make sure they are not adjacent to wires which interconnect with lights and other accessories.

• If the above steps fail to improve or clear noise interference, the system souled be checked by a authorized RE Audio Dealer.

RELEASE THE BEAST

Limited Warranty:

RE Audio warrants all manufactured electronic products to be free from defects in material and workmanship for a period not to exceed ONE(1) YEAR from the date of purchase.

IMPORTANT WARRANTY NOTICE: RE Audio will only warrant and service products displaying valid RE Audio serial numbers. WARRANTY SERVICE WILL ONLY BE PERFORMED WHEN THE UNIT IS ACCOMPANIED BY A COPY OF THE ORIGINAL SALES RECEIPT FROM AN AUTHORIZED DEALER. All product returned to RE Audio for service MUST be accompanied by a Return Authorization Number, issued by RE Audio in advance of shipment. The Return Authorization Number must be clearly and conspicuously displayed on the shipping carton or RE Audio will refuse delivery.

For Return Authorization Numbers, first call your RE Audio dealer you purchased the products from. The dealer will help you to obtain Return Authorization Numbers.

This warranty extends only to the original purchaser and is not transferable. Defective equipment must be returned within the warranty period, freight prepaid, to the RE Audio Factory or an Authorized RE Audio Warranty Station.

This warranty covers only detects in materials and workmanship of manufactured electronic products(amplifiers). Incidents of misuse, abuse, neglect, or unauthorized modification will not be covered within the terms of this warranty.

RE Audio reserves the right to refuse warranty service under such conditions.

RE Audio WILL NOT BE RESPONSIBLE FOR ANY DAMAGES, WHETHER INCIDENTAL OR CONSEQUENTIAL, RELATED TO THE USE OF THIS OR ANY OTHER PRODUCT BEARING OR SOLD UNDER THE RE Audio BRAND NAME. USE THIS PRODUCT AT YOUR OWN RISK. IMPROPER USE OF THIS PRODUCT CAN RESULT IN PROPERTY DAMAGE, BODILY HARM, AND OR OTHER DAMAGE. RE Audio ASSUMES NO RESPONSIBILITY FOR YOUR HEALTH OR SAFETY.

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