

## 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 defects 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.**

# DTS SERIES

## Owners Manual / Installation Guide



DTS-500.2  
DTS-500.4  
DTS-750.2  
DTS-800.1  
DTS-1000.1  
DTS-1500.1

# RELEASE THE BEAST®



[USAMPS.COM/REAUDIO.COM](http://USAMPS.COM/REAUDIO.COM)



## Congratulations

on your selection of a RE Audio DTS 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. To locate a RE Audio Dealer near you, go to our web site and look for "Locate Dealer."

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## 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 should be checked by a authorized RE Audio Dealer.

## SPECIFICATIONS

\* The specification is subject to change without notice.

		500.2	750.2	500.4	800.1	1000.1	1500.1
Power Output (RMS)	1KHz	W	2 x 75	4 x 50			
	100Hz	W			1 x 165	1 x 330	1 x 410
	1KHz	W	2 x 130	4 x 80			
	100Hz	W			1 x 280	1 x 560	1 x 700
at full frequency (10Hz~40KHz)	1KHz	W					
	100Hz	W			1 x 400	1 x 800	1 x 1000
	4Ω mono	W	1 x 160	2 x 160			
	4Ω	%	0.05	0.05			
Total Harmonic Distortion	1KHz	dB	90	90	90	90	90
S/N Ratio	4Ω	dB	50~500	50~500	50~250	30~80	30~80
Bass Frequency	Input Short	Hz	20~36K	20~36K	20~36K	17~180	17~180
Frequency Response		Hz					
Power Band Width (Frequency Response)		Hz					
Crossover Frequency	-1dB	KHz	36	36	36		
	Low Pass	Hz	50~500	50~500	50~250	40~180	40~180
	Subsonic	dB				17~50	17~50
	High Pass	Hz	50~500	50~500	50~250		
Bass Boost Control @ 45Hz		dB	0~12	0~12	0~12	0~12	0~12
Wired Remote Control		Ω	yes	yes	yes	yes	yes
Bridged Mono Capable			4	4			
Gain Control			Yes	Yes	Yes	Yes	Yes
Input Sensitivity	Low Level	mV/V	200/2.0	200/2.0	200/2.0	100/6.0	100/6.0
	High Level	V					
Input Impedance	Low	KΩ	22	20	22	20	20
	High	Ω					
Dimensions [866/220(W) x 198/50(H) x (L)]		in/mm	9.75/248	11.0/280	13.15/334	13.0/330	14.57/370
Protection (thermal/short circuit)			Yes	Yes	Yes	Yes	Yes
Power Voltage Range		V	11~15V	11~15V	11~15V	11~15V	11~15V

## FEATURES

- LPF(Low-Pass Filter) Control
- Gain Control
- Low Level Input
- Subsonic Control
- Thermal Protection
- NI-plated Connectors
- MOSFET Power Supply
- Short Circuit Protection
- Power on LED Indicator
- Hi/Low Pass Frequency Control
- Protection Condition LED Indicator

## INSTALLATION

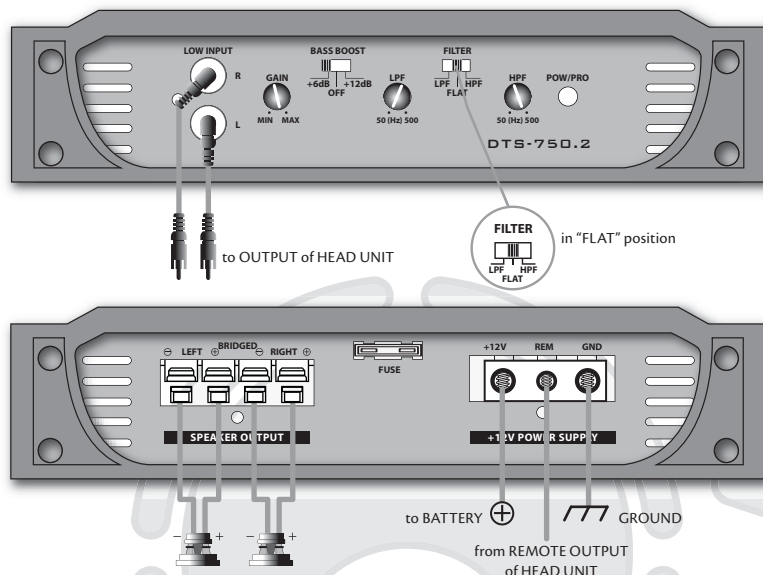
Please choose a mounting place without any direct weather influence.  
Note that the amplifier generates heat. Therefore, a well-ventilated place is necessary.

- 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

## CONNECTIONS

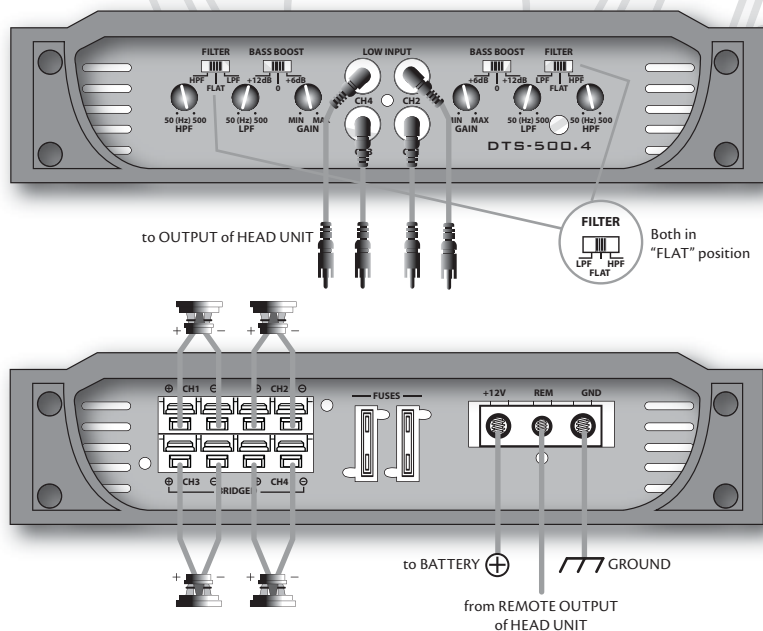
### [Basic Wiring]

- ▲ 2-channel [500.2 & 750.2]  
and Monoblock [800.1/1000.1/1500.1] Amplifiers\*



\* Shown here is DTS-750.2. Other models may look different. However, basic wiring concepts are same.

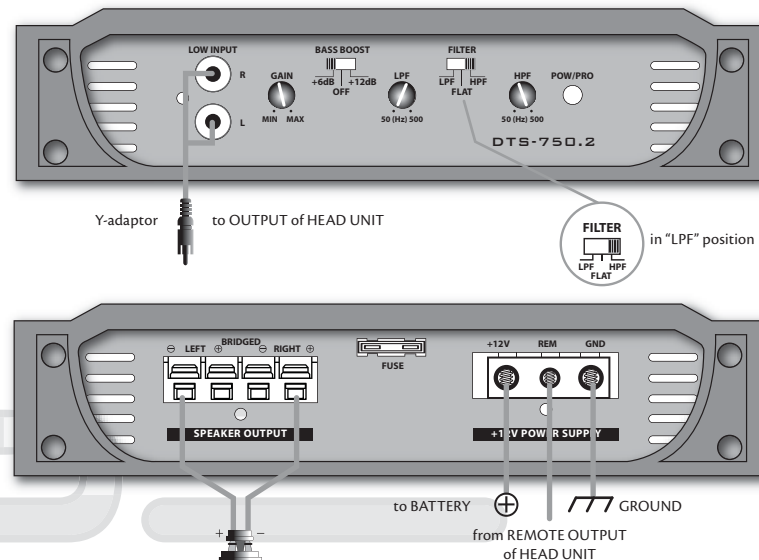
- ▲ 4-channel [500.4] Amplifiers



## CONNECTIONS

### [Bridged Wiring]

- ▲ 2-channel [500.2 & 750.2] Amplifiers\*



\* Shown here is DTS-750.2. Other models may look different. However, basic wiring concepts are same.

- ▲ 4-channel [500.4] Amplifiers

