

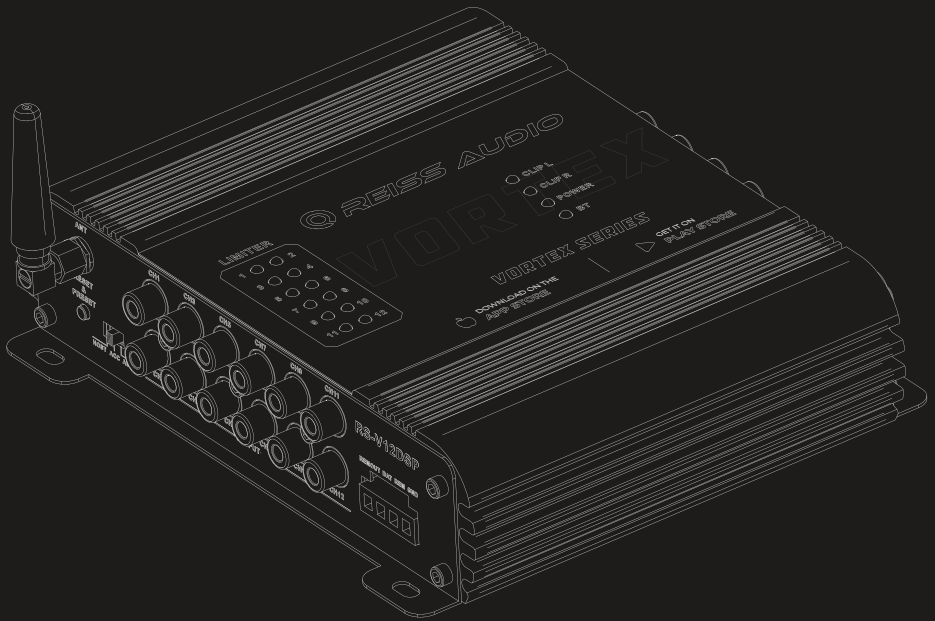


OWNER'S MANUAL

12 CHANNEL PRO CAR DSP

RS-V12DSP

8 IN 12 OUT



Since 1985
TURKISH ENGINEERING

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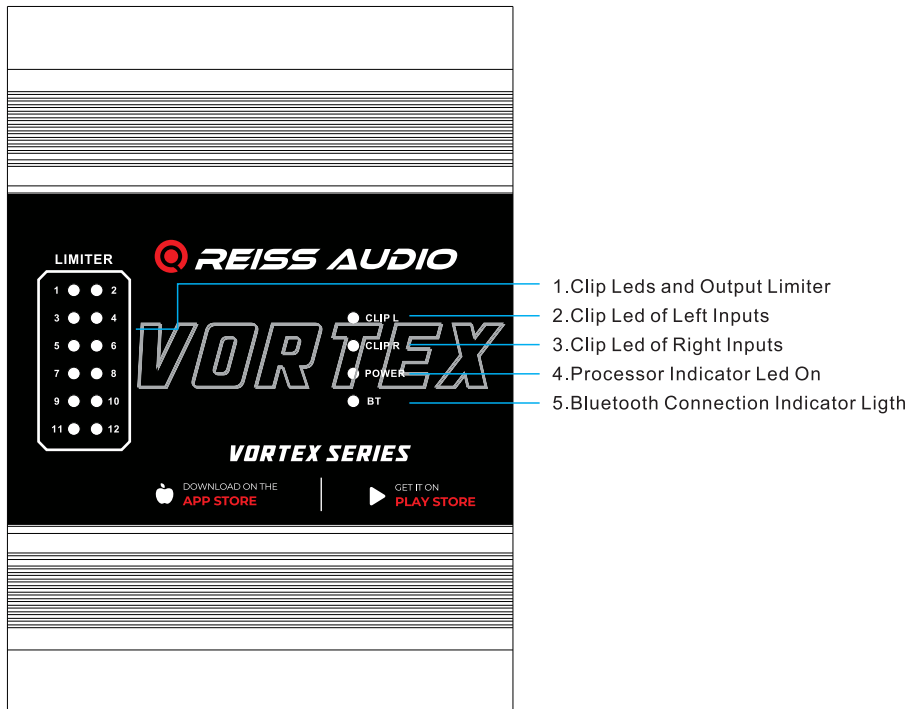
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Presentation

Congratulations, you just bought a product with REISS Audio quality. Through engineers with years of experience, critical testing procedures and a high-tech laboratory, we have created a range of high quality products that reproduce the musical signals with the clarity and faithfulness you deserve.

To ensure the best operation of the product, please read this manual carefully before using the product. Keep the manual in a safe and accessible place for future reference.

Introduction to Machine Connectors



1-Clip Leds and Output Limiter

When lit, it indicates that the audio output has reached its maximum level, and produces distortion or signal to show limiter's activity. If the limiter is disabled, the limiter will be used as an output clip, and if the limiter has been triggered, it will be used as both an output clip and a limiter indicator.

2&3 Clip Led of Left and Right Inputs

When it lights up, it shows that the audio input has reached its maximum level.

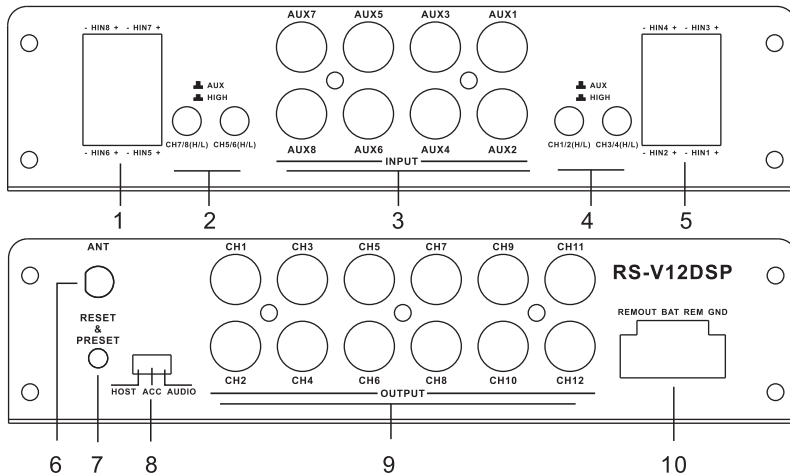
4-Processor Indicator Led on

When lit, it indicates that the processor is turned on

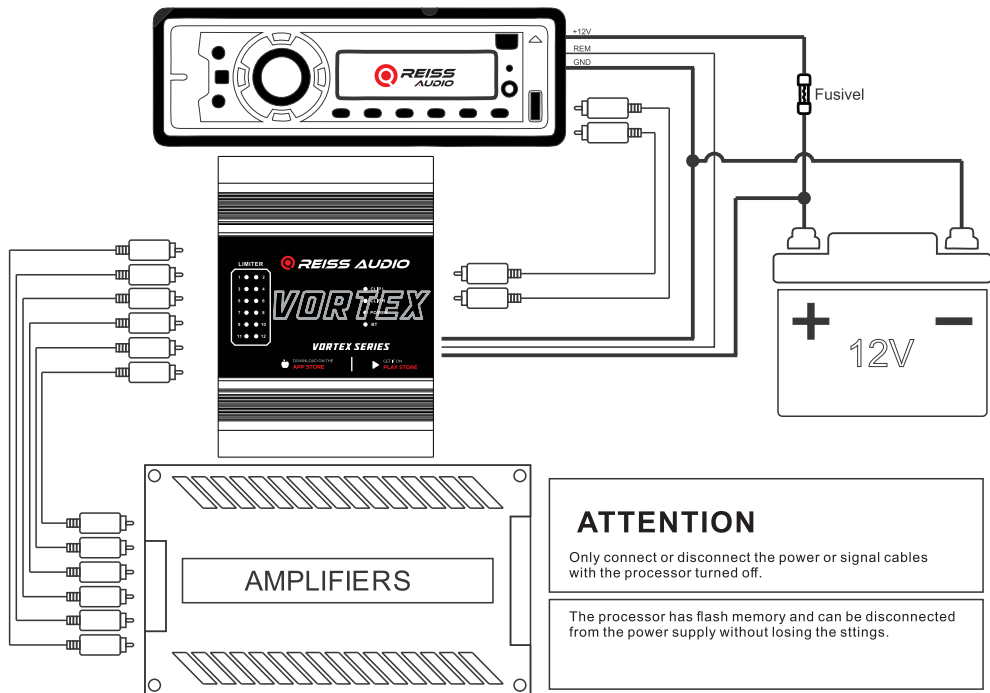
5-Bluetooth Connection Indicator Light

Indicates that Bluetooth is connected

Introduction to Machine Connectors



1. High level input and power connect 5CH-8CH "+" is positive or positive, "-" is negative or inverted (ground)
2. 5CH to 8CH high-level input and low-level input conversion switch
chButton lift height is: low-level input
The button being pressed down indicates: high-level input
3. RCA input connector: Up to 8 channels can be connected.
4. 1CH to 4CH high-level input and low-level input conversion switch
chButton lift height is: low-level input
The button being pressed down indicates: high-level input
5. High level input and power connect 1CH-4CH "+" is positive or positive, "-" is negative or inverted (ground)
6. Bluetooth antenna
7. Preset reset button
8. Machine start mode switch: When the switch is turned to the "ACC" terminal, the machine is started by ACC and when it is turned to the "HOST" terminal, the machine is started by the highlevel input signal. When the switch is turned to the "AUDIO" terminal, the machine is started by low level signal * -HIN1+ is the HOST startup detection pin * AUX1 is the AUDIO start detection pin
9. RCA output connector: Up to 12 channels can be connected.
10. powersocket



1. Read the entire product manual carefully before beginning installation.
2. For safety, disconnect the negative from the battery before beginning installation.
3. Keep all RCA cables away from power cables.
4. Use high quality cables and connectors to minimize loss and noise.
5. If the equipment is grounded on the vehicle chassis, scrape all the paint off the grounding point to ensure a good connection.

Noise Problems:

1. Check that all equipment in the system is grounded at the same point, in order to avoid ground loops.
2. Check the processor output RCA cables, the shorter and better quality, the lower the noise.
3. Make a correct gain structure, making the gain of the amplifiers as small possible.
4. Use quality cables and keep away from any potential sources of noise.
5. Contact our technical support or check the tips on our social networks

APP

- 1-Download the app from the Apple Store or our website.
- 2-Active Bluetooth on your smartphone.
- 3-Activate the location of your Smartphone.
- 4-Open the app and it will display the following information



- 5-Select the processor and enter the password, the factory password is 000000, to set a new password, just enter any password other than 000000. If you forget your own password, press and hold the reset button for 15 seconds to reset the password to the factory password 000000.
- 6-If you want to reset your password, you need to reset the processor to all factory defaults.



- 7-Congratulations, you are connected to your processor, now with a simple and intuitive interface you can manage your sound system completely by using the following.

Routing Channel
General Gain
Channel Gain
Frequency Cuts
Limiter
Input Equalizer

Output Equalizer
Polarity Inversion
Time Alignment
Configurable Memories
Battery Monitoring
Limiter Monitoring

Compatible with android 7 or above/ios 13 or above

Processing Technical Documents

Channel Routing (routing channel)	
Routing Option	12CH and Bluetooth
Gain	
General Gain	-60 to 6dB
Channel Gain	-60 to 6dB
Frequency Cut (crossover)	
Cut-off frequency	20Hz to 20kHz
Type of Cuts	Linkwitz-Riley/butterworth/Bessel
Attenuations	6/12/18/24/36/48 dB
Input Equalizer (EQ in)	
Equalization Band	31 Bands
Gain	-15 to +15dB
Channel	Equalizer (EQ channel)
Equalization Bands	31 Bands per channel
Gain	-15 to +15dB
Q Factor	0.3-15
Time Alignment (delay)	
Time	0 to 20ms
Distance	0 to 6800mm, 0 to 267.72inc
Limiter	
Threshold	-60 to +6dB
Attack	0 to 200ms
Release	0 to 990ms
Polarity Inversion (Polarity)	
Inversion	0 or 180°
Memory (preset)	
Memories	6 presets

* These typical data may vary slightly.

Technical Specification

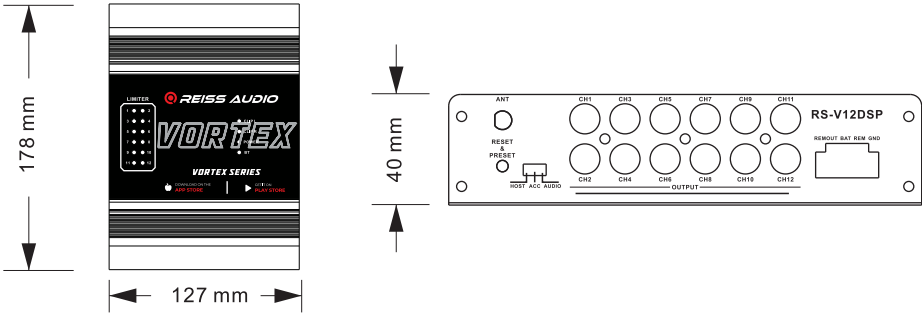
Input (left/right)	
Inputs	8CH High Level,8CH RCA (switchable)
Connectors	High Level and RCA
Input level max	4.00 vrms (+ 14dbu)
Inlet Impedance	100Kohm

Output	
Outputs	12
Connectors	RCA
Maximum Output Level	3.50 Vrms (+ 13dBu)
Output Impedance	100ohm

DSP	
Frequency Response	10Hz to 20KHz
THD +N	<0,01%
Signal Latency	< 0.6 ms
Bit rate	32-bit
Sampling frequency	96khz

Power Supply	
voltage DC	9 ~ 16vDC
Maximum consumption	350mA

Dimensions	
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