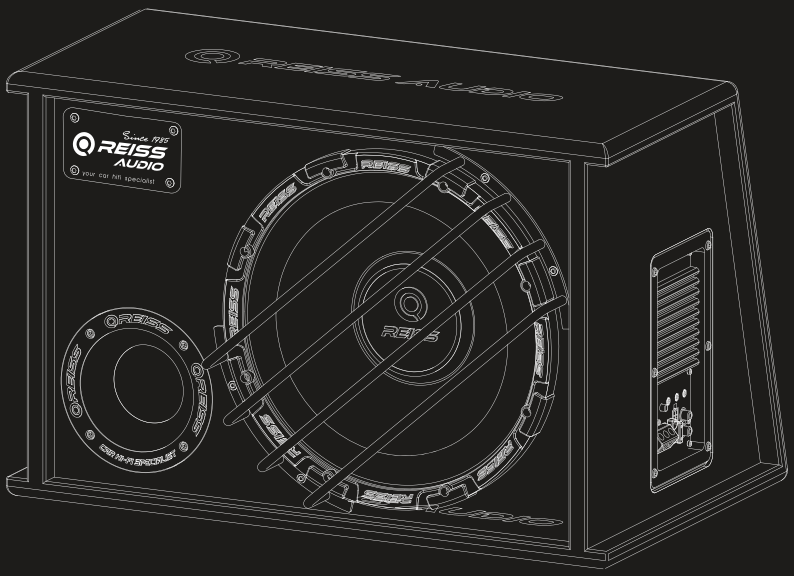
REISS AUDIO

your car hifi specialist

OWNER'S MANUAL

ACTIVE SUBWOOFER ENCLOSURE WITH 12" SUBWOOFER

RS-ABX12HK.D4



BLACK CARPET

Since 1985

TURKISH ENGINEERING

INSTALLATION INSTRUCTIONS

Professional installation by an authorized REISS AUDIO dealer is highly recommended! Otherwise, the performance of your new equipment may not be satisfactory. In the event that you decide to do your own installation, please read and follow this manual carefully.

Failure to do so may compromise the integrity of this product, your vehicle, and possibly void the product warranty.

Secure the subwoofer box with a strap or bracket to screw it down and prevent it from being loose in your cab. This will avoid movement that could damage the Subwoofers or the box itself. Properly securing the box will also reduce the risk of movement during acceleration or hard braking. Failure to secure the box properly could result in major injuries in the event of an accident.

Once your RS-ABX12HK.D4 is installed, follow these simple steps:
Now you are ready to play it for the first time. It is best to leave the gain all the way down at the start. Now, start with the head unit volume low and work your way up. Next you can tune the amp, we recommend using the Low Pass Filter at 80Hz or lower depending on your system.
Take your time and make only one adjustment at a time. It may take sometime to get the system fully adjusted. During this time the amp is drawing current from the battery. You should check the battery voltage from time to time and re-charge it if it gets low.

INTRUCTIONS FOR FUNCTIONS AND CONTROLS

1.PROTECTION / POWER INDICATOR
When the amplifier is operating correctly, the LED will show as green.
When the amplifier is in protection mode, the LED will show as red.

2. PHASE: Phase adjusting switch, the phase ranges from 0° to 180° degrees.

3. Low pass: Low pass frequency adjusting knob. The frequency ranges from 40Hz to 160Hz.

4. Bass Boost: Adjust the amplifier's 45Hz Bass Boost levelup to 12dB.

5. GAIN: The boost ranges from 0dB to 36dB。

6. HIGH INPUTS: For connection to any source (head unit) with a High output.

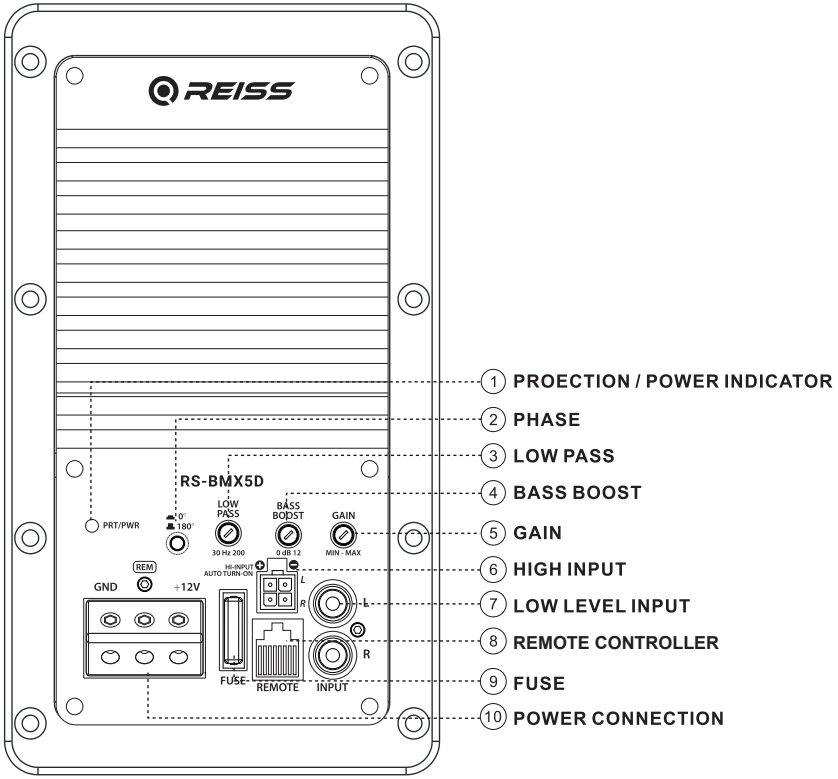
7 .LOW LEVEL INPUTS:
For connection to any source (head unit) with a low level output.
This is your RCA output from the source (head unit).

8. REMOTE CONTROLLER: The Remote Controller adjusts the gain.
Turn the volume knob to max before using your remote.

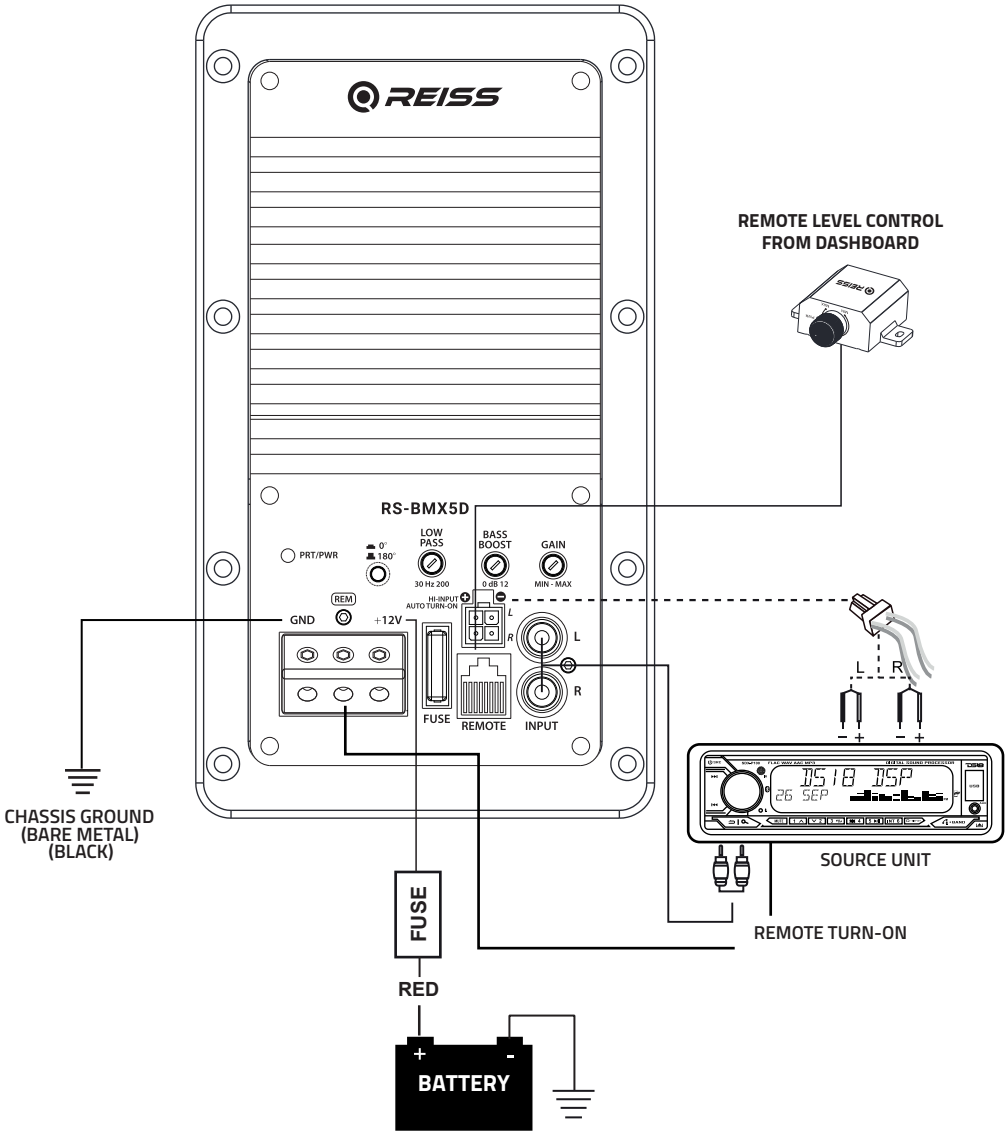
9. FUSE: Standard ATC fuse. You must use a 30A fuse if you need to change it.

10. POWER CONNECTION :
Connect these to vehicle's battery. Make sure these are the correct connections as this can damage the unit.
（1）+12V: Connect the terminal to the vehicle's +12V source.
（2）REM: Connect the terminal to the remote cable originating from the source, this controls the amplifier switching on. The applied voltage must be between 10 and 15 VDC.
（3）GND: Ground terminal. Connect it to the car chassis, and ensure the ground cable length is kept to a minimum.

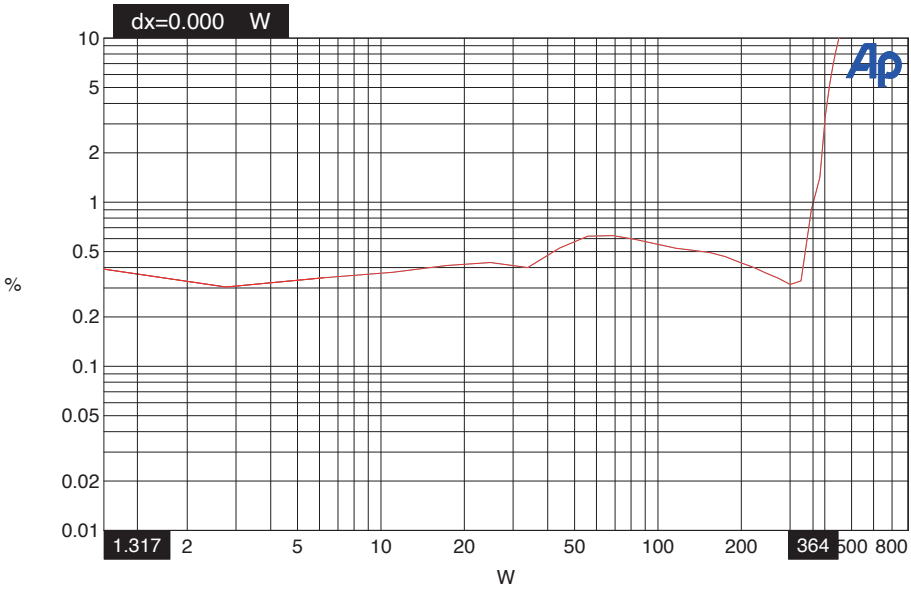
FUNCTIONS



WIRING DIAGRAM



Load Configuration: 2 Ohm



Sweep	Trace	Color	Line Style	Thick	Data	Axis	Comment
1	1	Cyan	Solid	1	Anlr.THD+N Ratio	Left	
1	4	Red	Solid	1	Anlr.THD+N Ratio	Left	

Mode----------RS-BMX5D
Filter----------22KHz
Load---------- 2ohm
Power supply----------14.4V

ACTIVE SUBWOOFER ENCLOSURE

SPEAKER SPECIFICATIONS

Voice Coil Diameter	2” / (50.95mm)
Voice Coil Former Material	Black Aluminium
Winding Material	Copper
Cone Material	Paper
Surround Material	Rubber
Basket Material	Steel
Magnet Material	Ferrite
Magnet Weight	58oz

AMPLIFIER SPECIFICATIONS

Amplifier Class	Digital
Amplifier Type	Monoblock Subwoofer
Number of Channels	1 CH
Minimum Impedance	2 Ohms
Signal to Noise Ratio	90dB
Efficiency @4ohm	86%
Total Harmonic Distortion (THD)	0.20%
Low Level Input Range	0.25-6V
High Level Input	Yes (Auto Turn-On)
X-Over Filter Range	30-200Hz
Bass Boost Range	0-12dB
Bass Boost Frequency	45Hz
Phase Selector	0°~180°
LED Indicator	Power / Protection
Power Input Terminal Size	8GA (Quick Connector)
Fuse Size	30A
Remote Level Control	Yes
Thermal Protection	Yes (75°C/167°F)
Over-Load Protection	Yes
Short Circuit Output Protection	Yes

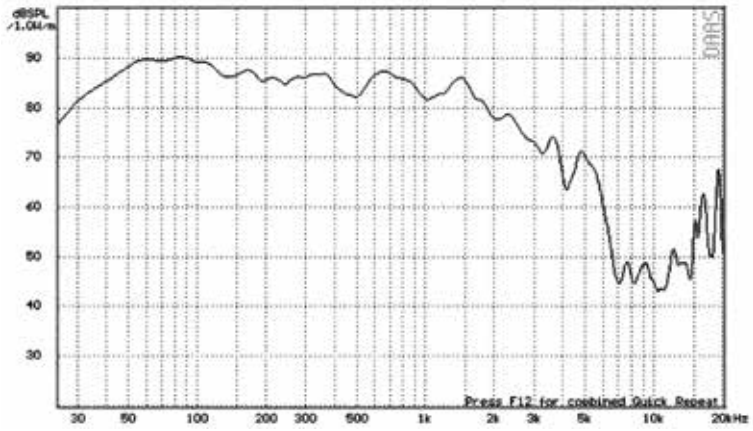
ENCLOSURE SPECIFICATIONS

Internal Volume	47.5L
Load Configuration	2 Ohm
Enclosure Type	Ported Enclosure
Enclosure Material	18mm
Finish Material	Black Carpet
-3dB Dropping Point	32Hz

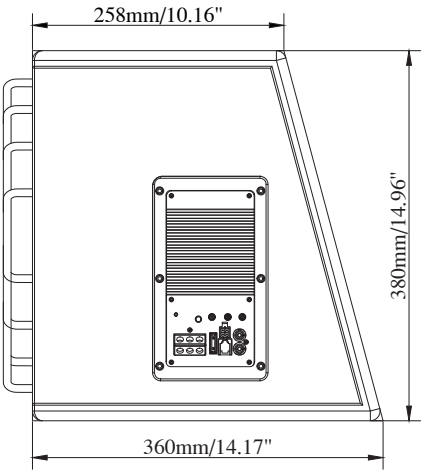
MEASUREMENTS

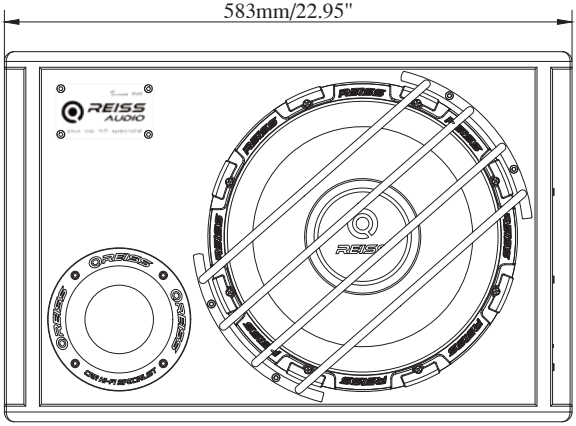
Overall Height	380mm/14.96"
Overall Width	583mm/22.95"
Depth 1 (Top)	258mm/10.16"
Depth 2 (Bottom)	360mm/14.17"

ACTIVE SUBWOOFER ENCLOSURE



MEASUREMENTS





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