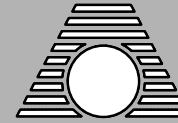
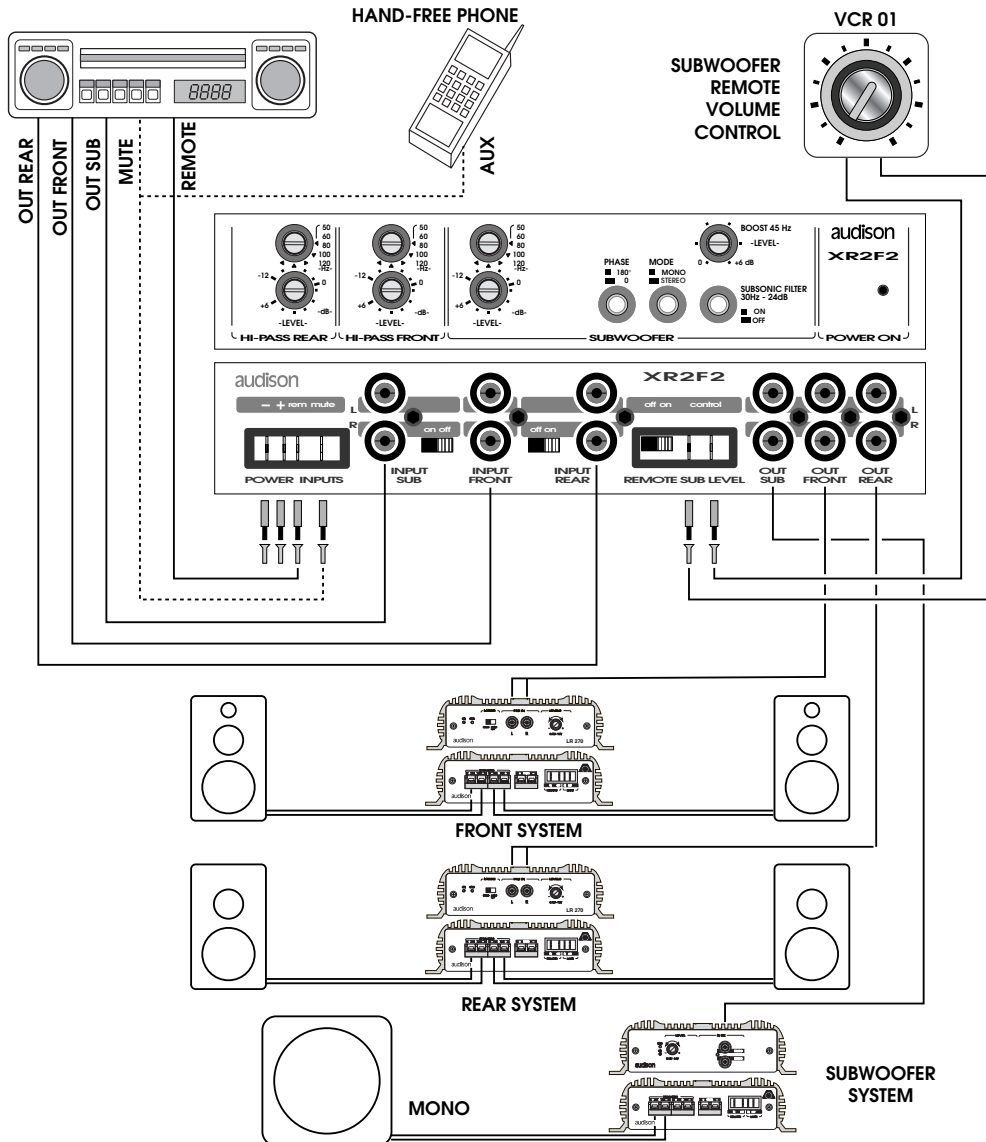


XR2F2

FULL SYSTEM WITH SUB REMOTE VOLUME CONTROL



audison

OWNER'S MANUAL

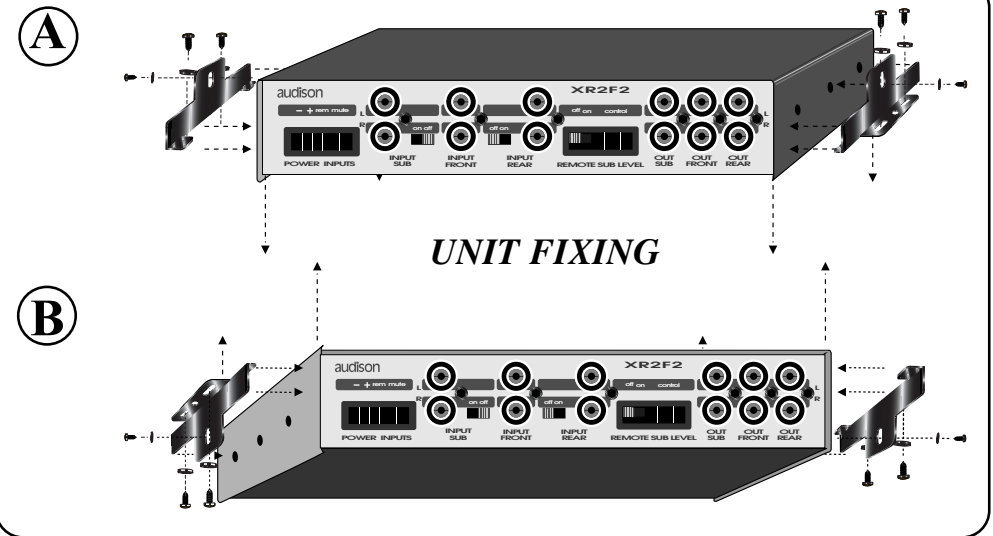
Car audio electronic crossover

XR2F2

Double front, two way electronic crossover

TECHNICAL DATA:

POWER SUPPLY	11 ÷ 15 VDC
INTERNAL POWER SUPPLY	24 VDC
IDLING CURRENT	0.3 A
MAXIMUM INPUT LEVEL	4 VRMS
MAXIMUM OUTPUT LEVEL (adjustable +6/-12 dB)	4 VRMS
T.H.D. DISTORTION (90% maximum output level)	0.004%
STEREO SEPARATION	70 dB
BANDWIDTH	4 Hz - 200 kHz
LEVEL ADJUSTMENT (dB)	+ 6/- 12 (dB)
FILTERS SLOPE	18 dB / Oct.
HI-PASS FRONT CUT-OFF FREQUENCY	50-60-80-100-120 Hz
HI-PASS REAR CUT-OFF FREQUENCY	50-60-80-100-120 Hz
LO-PASS SUBWOOFER CUT-OFF FREQUENCY	50-60-80-100-120 Hz
SUBSONIC FILTER (24 dB/Oct.)	30 Hz
BOOST FILTER (adjustable, 0/+6 dB)	45 Hz
INPUT IMPEDANCE	15 kOhm
OUTPUT IMPEDANCE	1 kOhm
S/N RATIO	100 dBA
MUTE-REMOTE INPUT	3 ÷ 15 VDC
SIZE (WxHxD)	273 x 44 x 120 mm (9.25x1.73x4.72inch)





FEATURES

XR2F2 crossover is characterised by high performances and very easy use. It can solve the most important acoustic problems that affect car hi-fi systems.

All active filters configurations inevitably have advantages and disadvantages. Our choice of one of the numerous typologies was determined both by electrical and acoustic considerations. The configuration we adopted is Bessel with low group delay, which insures correct acoustic alignment. Filters slope is 18dB/Oct.; it provides transducers with safer and more linear functioning than cuts with lower slope can do. Filters frequency is adjusted through a 5 step switch, in order to be able to filter all speakers systems. Resistors frequency (1% tol.) and selected capacities (1% tol.) insure the filter constant performances and frequency high precision. The device has 3 inputs to handle FRONT, REAR and SUBWOOFER systems and has HI-PASS FRONT, HI-PASS REAR and LO-PASS SUBWOOFER outputs. The three outputs can be driven by Front input only, excluding Rear and Subwoofer inputs through the proper switches on the crossover back. Each filter section has a level control (+6 ÷ -12dB) and a cut-off frequencies switch. Subwoofer section is also provided with a subsonic filter (30 Hz – 24 dB/Oct.) to eliminate rumble noise from special CDs with very stressed bass. It has an adjustable boost filter (0 ÷ +6dB) set at 45 Hz that makes Subwoofer frequency response wider and more even. It is also provided with a phase inverter (0°/180°) and a Mono-Stereo switch that permits to mix Left and Right channels for mono subwoofers. Subwoofer output level can be adjusted through VCR01 remote control (it is an accessory), to be installed near the head unit; it can be activated and connected to **XR2F2** Remote Sub Level section on the device back.

PRECAUTIONS

Avoid to install the device where temperature is below 0°C or above 55°C.

The device needs 12VDC power supply voltage with negative to ground. Be sure that your car electric system is compatible with the amplifier ordinary functioning.

For safer driving, we recommend to adjust volume not to drown external traffic sounds.

INSTALLATION

For mounting, insert the metallic supports into their location and fasten them through the 4 screws and spacers given with the device. In order to get the best from your system, we recommend the use of **audison cable** products, which include power supply cables, signal cables, RCA and RCA ABS connectors and all accessories necessary to complete your wiring.

WARNING

If the radio-cassette player output ground is not connected to the radio chassis, the braided shield of the shielded cable must be connected to the radio-cassette player chassis. If you hear saturation at moderate volume level, it means a distorted signal is coming from the radio-cassette player. Possible saturation phenomena could be caused by an input or an output signal higher than 4 VRMS. In this case you need to adjust the radio-cassette player volume to a lower level until distortion disappears; then, adjust the levels of the crossovers and of the amplifiers connected to it.

XR2F2 BLOCK DIAGRAM

