

XD-180.2

Two-Channel Full Range Class D Amplifier

User's Manual

Please read this manual thoroughly to before you install it.

Introduction:

Congratulations on your purchasing a high quality amplifier!

The amplifiers are manufactured with advanced craftsmanship and using the highest quality components and strict quality control system. Thanks for your trust on FOR-X brand! Maintain your amplifier properly and it will ensure you uncompromising musical enjoyment.

The FOR-X XD-180.2 class D amplifier is designed to revivify the high quality of the video in optimum sound systems. It will display the high quality sound efficiently and reduce the dissipation to minimum.

Those RCA input can receive various of stereo signals and signals from CD/MP3 player also.

Read before installation

Please read this manual thoroughly. Below are the information which are very important for you to ensure you install properly. If necessary, please contact with the after selling service department to solve the questions.

Please use high quality cables and keep them as short as possible, avoiding electrical disturbances and too hot.

The amplifier GND terminal should connect to the minus terminal of the battery directly.

Locate the position on the chassis of the car to which amplifier is to be ground.

To be safe, all cables should lay flat on the car chassis. Route the RCA cables away from other current carrying cables, electronic power, auto ignition, key inject.

The +12 Volt power cable must be connected with a fuse in line within 30 cm from the battery +12 terminal, as show in the attachment 02.

The install position is very import, it must be far from vibration source. It is better to install on top of speaker box. Do not install it on module. Heating dissipation and air exhausting are very important to when install it on auto chassis.

Installation examples:

XD-180.2-1 SUBWOOFERS/4Ω(200W)

XD-180.2--2 WOOFERS/8Ω(200W)

XD-180.2--2 SPEAKERS/4Ω(200W)

XD--180.2—6 SPEAKERS /8Ω+ 2 TWEETERS/8Ω(200W)

Note: all above installation examples are as reference .In any installation, must follow the smallest impedance. For more details please ask for our technical support.

Installation figure:

Battery

Remote

GND

OUTPUT: CHANNEL 1 , CHANNEL 2, CHANNEL 3, CHANNEL 4

Gain

RCA terminal

RCA end to the payer

Specification

Specification	XD-180.2	Specification	XD-180.2
RMS Power @12.6V	200W	Channel	2x125 W RMS@2Ω 1x250 W RMS@4Ω
RMS Power @14.4V	300W	Minimal consumption	<0.1 A
Max Power PMPO	3000W	Maximal consumption (musical signal)	22A
Efficiency	95%	Maximal consumption (musical signal)	11A
Frequency Response	50 Hz to 20KHz	Weight (kg)	0.3
Input sensitivity	0.5 to 6V	Length (mm)	115
Voltage	12.6V(10V to 16 V)	Width (mm)	100
Dumping Factor	400	Height (mm)	35
Distortion harmonic	0.01 %THD+N @60W	SMD technology	YES

Table 2

XD-180.2	CAPACITY
Battery	30A
External Fuse	30A
Power cable specification	6 mm ²
Output cable specification	1.5 mm ²

Important Notice:

If find any problem with the amplifier, before contact with the technical support, please try to find out the reason according to below table:

Blinking

problem indicator

Low battery voltage

Load Short circuit or low impedance

If the problem can not solved, please contact the technical support center.