



FLI

INTEGRATOR SPEAKERS

INSTRUCTION & INSTALLATION MANUAL

www.fliaudio.co.uk

Models: INTEGRATOR 4, 5, 6, 9, 9P F-2



For best connections and performance use only FLI cabling and accessories

Thank you for purchasing these FLI coaxial speakers. They will provide you with years of trouble free usage providing you follow a few simple guidelines.

Introduction

This instruction manual is for your safety and must be adhered to at all times. Please read and ensure that you fully understand the installation and set up procedures as explained. If you are unclear on the installation or set up of your FLI INTEGRATOR speakers please contact your nearest authorised FLI dealer.

Contents

2 x FLI Integrator speakers.
2 x Grills.
8 x Fixing screws.
1 x Cut out template.
2 Lengths of speaker cable.
Warranty card

WARNING

DO NOT EXPOSE THIS PRODUCT TO DAMP OR MOISTURE - doing so may result in fire, shock or damage to the product.

BEFORE WIRING DISCONNECT THE CABLE FROM THE POSITIVE BATTERY TERMINAL - failure to do so may result in electric shock or injury.

ENSURE GOOD AND CORRECT CONNECTIONS - failure to make the correct connections may result in fire or damage to the product.

DO NOT USE ANY FUNCTIONS OF THIS EQUIPMENT THAT MAY TAKE YOUR CONCENTRATION AWAY FROM DRIVING YOUR VEHICLE - do not set up your amplifier whilst driving, doing so may result in an accident. For prolonged setting up, make sure that your vehicle is stationary and in a safe location.

KEEP THE VOLUME AT A LEVEL SO YOU CAN STILL HEAR OUTSIDE NOISE - failure to do this may result in an accident. FLI equipment is capable of producing sound levels that can permanently damage your hearing. FLI recommends caution when listening at high volume. For safe and enjoyable listening the sound should be comfortable and clear without distortion.

CAUTION

Never connect any speaker lead to the car chassis. This can cause severe damage to your speaker /car radio /amplifier.

Before drilling or cutting any holes, investigate the layout of your vehicle thoroughly.

Use caution when working near the fuel / hydraulic lines and electrical wiring.

Observe the correct polarity when wiring, improper phasing may cause a loss of bass response.

Ensure that no moving parts catch on the speaker or grill (e.g. window or door handles, or window glass inside the door)

Installation

The quality of the installation will affect the system performance and reliability.

Contact your nearest authorised FLI dealer if you are unsure about the installation of this product.

Please mount this unit away from any potential hazards.

Minimising the length of wires will provide higher audio output from the system.

The speaker should be securely fastened to the mounting position using the screws provided.

Pre drill your mounting holes using a drill and position with the template provided.

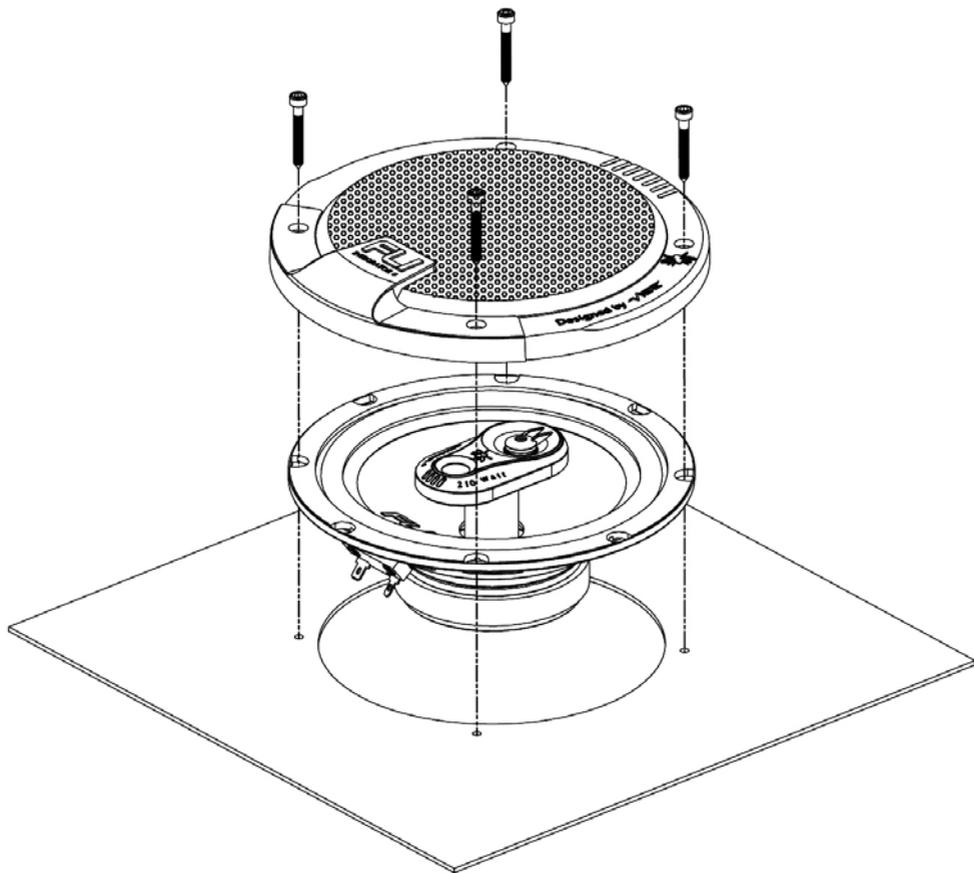
Be sure to investigate your mounting area thoroughly for electrical wires, brake or fuel lines or fuel tank to prevent causing any damage.

Firstly, make sure that the speakers will fit in your chosen location. This may involve the removal of the standard vehicle speakers. Please use the mounting depth and hole cut dimensions as detailed in this manual for guidance.

Speaker Installation

If necessary cut any material away to allow the speaker to sit correctly. Cut out the mounting hole and pre-drill any other fixing holes.

If the grill is to be fitted, screw through both gasket and speaker using the screw provided until the speaker is securely fastened.



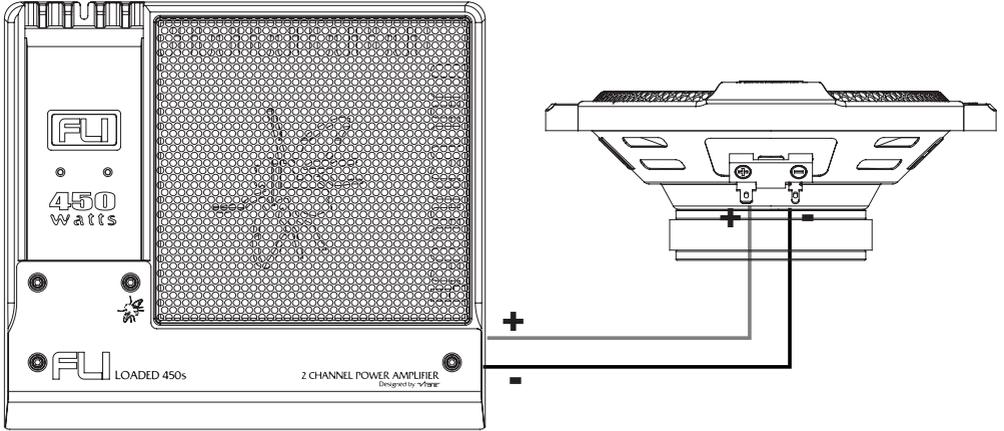
Grill removal

The FLI integrator speakers feature a removable mesh grill. Please follow the instructions below to remove the grill.

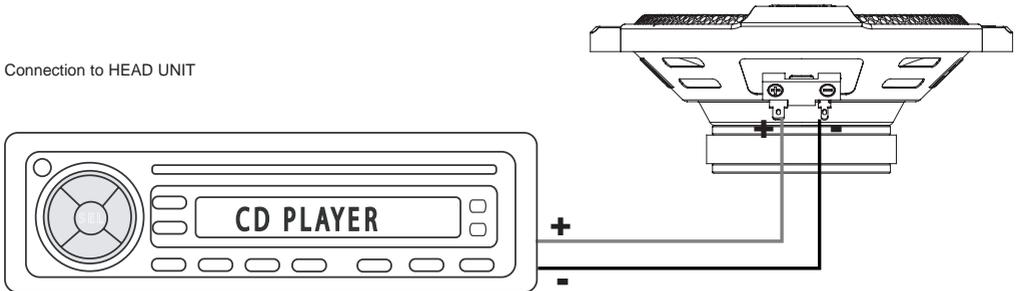
- * Peel the rubber gasket away from the basket
- * Remove the mesh grill
- * Refit the rubber gasket.

Wiring connections

Connection to amplifier



Connection to HEAD UNIT



Parameters

FI4 -F2	FI5-F2	FI6-F2	FI9-F2	FI9P-F2
Revc = 3.4 Ohm				
Fo = 88.976 Hz	Fo = 83.008 Hz	Fo = 69.782 Hz	Fo = 65.102 Hz	Fo = 65.102 Hz
Sd = 5.153 M	Sd = 8.659 M	Sd = 13.070 M	Sd = 21.253 M	Sd = 21.253 M
Md = 6.410 g	Md = 9.970 g	Md = 12.340 g	Md = 23.350 g	Md = 23.350 g
BL = 3.405 T	BL = 3.521 T	BL = 3.979 T	BL = 4.592 T	BL = 4.592 T
Qms = 4.377	Qms = 4.555	Qms = 4.111	Qms = 3.148	Qms = 3.148
Qes = 1.211	Qes = 1.244	Qes = 1.339	Qes = 1.051	Qes = 1.051
Qts = 0.949	Qts = 0.977	Qts = 1.010	Qts = 0.788	Qts = 0.788
No = 0.092 %	No = 0.200 %	No = 0.218 %	No = 0.611 %	No = 0.611 %
SPLo = 81.7 dB	SPLo = 85.0 dB	SPLo = 85.4 dB	SPLo = 89.9 dB	SPLo = 89.9 dB
Vas = 1.634 m	Vas = 4.500 m	Vas = 8.875 m	Vas = 24.064 m	Vas = 24.064 m
Cms = 433.228 u M/N	Cms = 422.612 u M/N	Cms = 365.859 u M/N	Cms = 375.185 u M/N	Cms = 375.185 u M/N
Krm = 298.890 u Ohm	Krm = 405.635 u Ohm	Krm = 623.276 u Ohm	Krm = 1.800 m Ohm	Krm = 1.800 m Ohm
Erms = 0.919	Erms = 0.892	Erms = 0.861	Erms = 0.795	Erms = 0.795
Mms = 7.386 g	Mms = 8.699 g	Mms = 14.218 g	Mms = 15.930 g	Mms = 15.930 g
Mmd = 7.173 m Kg	Mmd = 8.235 m Kg	Mmd = 13.359 m Kg	Mmd = 14.98 m Kg	Mmd = 14.98 m Kg
Kxm = 3.925 m H	Kxm = 4.057 m H	Kxm = 8.805 m H	Kxm = 11.722 m H	Kxm = 11.722 m H
Exm = 0.706	Exm = 0.704	Exm = 0.629	Exm = 0.637	Exm = 0.637
150 watts peak	180 watts peak	210 watts peak	375 watts peak	375 watts peak
50 watts RMS	60 watts RMS	70 watts RMS	125 watts RMS	125 watts RMS
MIN.input 25 watts RMS	MIN.input 30 watts RMS	MIN.input 35 watts RMS	MIN.input 60 watts RMS	MIN.input 60 watts RMS
Mount depth 40mm	Mount depth 44mm	Mount depth 48mm	Mount depth 78mm	Mount depth 78mm
Mount DIA 85mm	Mount DIA 100mm	Mount DIA 144mm	Mount DIA 220x150mm	Mount DIA 220x150mm



Fli

In order to protect your purchase and aid your warranty please fill in the following form and keep it safe for your future reference:

www.fliaudio.co.uk

Model Number:

Serial Number:

Purchased From:

Date of Purchase:

KEEP IT SAFE
Staple your receipt here:



Limited Warranty

All FLI goods are covered by a full 12 months manufacturers warranty. Valid from the date of the original receipt and proof of purchase. In order to validate this warranty, the warranty card should be returned to FLI within seven days of the original purchase date. The original receipt and packaging should also be kept for this 12 month period.

If at any stage during the warranty period you have a problem with the product then it should be returned to the point of purchase in its original packaging, complete and with no items missing.

If the store is unable to fix the product it may have to be returned to FLI this process takes around 7 working days.

A full description of FLI's warranty information can be found on our website:

www.fliaudio.co.uk/warranty

A written version can also be obtained from
FLI warranty department
PO Box 11000
B75 7WG

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We reserve the right to make needed changes or improvements to the product and this manual, without informing the customer about this in advance.



FLI Line Level Converter
If your current head unit has no amplifier pre outputs this FLI Line Level Converter can be connected directly to your rear speaker wires to provide a stereo set of RCA connectors which can be connected directly to an amplifier.



FLI Loaded In dash remote control
Allows 18db gain adjustment of the bass boost feature which is present on all FLI Loaded amplifiers. Comes complete with 5m cable. Control can be mounted in-dash or anywhere suitable.
dimensions: H:20mm
W:40mm D:45mm



FIREFLI 5/1 metre LED RCA interconnect
High quality 2 Channel RCA interconnect featuring FIREFLI mega brite LED RCA end plugs available in 1 metre and 5metre lengths



FLI RCA-Y interconnect
High quality RCA Y-lead interconnect
Converts stereo RCA output to 4channel output
2 female RCA plugs to 4 male RCA plugs



FLEECE
Black pull over fleece with front zip and arm pocket features white FLI embroidery logos on front and back



FLI Tshirts
Our heavy weight FLI T-shirts are a must have!
Featuring small FLI logo on front and big logo on back. All sizes available



FLI Stickers
FLI stickers available in white or silver 5" 10" 15"



STUFF shop stop

Accessories can be ordered separately from the FLI website www.fliaudio.co.uk

Only available in the UK If out side uk please contact your dealer or distributor from the FLI website



FLI Power Capacitor
The FLI powercap, a 1 farad, high specification power capacitor is another great addition to our range. This is an essential item for maximum power delivery.

Stores added power for when your system really needs it



10 Gauge FLI Wiring Kit
For use with Car audio systems up to 1000 watts. Kit contents:
5 metre 10 AWG power cable
1 metre 10AWG ground cable
5 metre RCA interconnect
5 metre remote turn on cable
8 metre speaker cable
Inline ATC fuse holder, 30 amp ATC blade fuse, Fitment pack,

For use with Stereo amplifier systems



AK8 - 8 AWG amplifier wiring kit
For use with Car audio systems up to 1500 watts Kit contents:
5 metre 8 AWG power cable
1 metre 8AWG ground cable
5 metre FIREFLI LED RCA interconnect
5 metre remote turn on cable
8 metre speaker cable
AGU glass fuse holder, 60 amp AGU glass fuse, Fitment pack

For use with high power stereo amplifier systems



AK4 - 4 AWG amplifier wiring kit
For use with Car audio systems up to 2000 watts Kit contents:
5 metre 4 AWG power cable
1 metre 4AWG ground cable
5 metre FIREFLI LED RCA interconnect
5 metre remote turn on cable
8 metre speaker cable
AGU glass fuse holder, 80 amp AGU glass fuse
Fitment pack

For use with Bass amplifier systems



FLI GRILLS FG10, FG12 & FG15
For use with the FLI subwoofers the FLI Sub Grill is a visually appealing way to protect your subwoofer from accidental damage. The FLI shaped grill protects the cone and rubber surround from other items in your boot.

For use with all FLI subwoofers and enclosures