

# VIV

SIXFIVE SERIES

## *Amplifier Instructions*



**VIV750.1V2**      **VIV400.4V2**  
**VIV1100.1V2**    **VIV600.4V2**  
**VIV1500.1V2**    **VIV1300.5V2**  
**VIV2200.1V2**    **VIVBELLE**  
**VIV3000.1V2**    **VIV750.6V2**



## Ready To Turn It Up? Read This First

Memphis Audio built a 50 year legacy in the audio industry engineering the highest quality products to produce the best possible listening experience for our fans and loyal supporters. To fully appreciate our products we recommend taking the time to read and follow the instructions in this manual. As always, we recommend all installations and service be performed by an authorized Memphis Audio dealer.

### TIP



For optimal performance, Memphis recommends using only Memphis Connection accessories. Outfitting your system with properly sized Memphis Connection wire and accessories will dramatically boost your listening experience and increase the durability of your Memphis Audio products.

VIV Six Five Series Amplifiers feature a MOSFET powersupply with a 24dB per octave crossover to ensure the most accurate musical reproduction. These amplifiers were designed to be acoustically accurate and produce powerful crystal clear sound to your audio system.

## Features

- *Brushed anodized aluminum finish*
- *7-Color selectable color changing LED logo (Reversible)*
- *Super-efficient full range class D topology*
- *Bass boost up to 18dB*
- *Digital Signal Processing (DSP) with 24 dB Crossover Slopes*
- *LED Illuminated end caps with ground lighting.*
- *M-Equalization allows Bass Boost, Freq and Q to be dialed in (MONO Only)*
- *Optional wireless bass remote (VIV1300.5 and MONO models only) Part number: VIVREMV2*



## Warranty

### Memphis Audio Six Five Series Amplifier Limited Warranty

This product has a 2 year warranty from the date of purchase for defects in material or workmanship. This warranty will be extended to 3 years when installed by a Memphis authorized dealer using Memphis Connection products. The warranty is void if the product has been physically damaged by improper usage or abuse. If repairs are attempted outside of a Memphis Audio facility, the warranty is void.

This warranty is limited to the original retail purchaser and does not cover any expenses incurred in the removal or re-installation of the product. This warranty does NOT apply to product exterior and cosmetics. Memphis Audio disclaims any liability for incidental or consequential damages caused by product defects. Memphis Audio liability will not exceed the purchase price of the product and the warranty period specified.

### What is NOT covered under warranty

- Damage due to improper installation
- Damage caused by exposure to moisture, excessive heat, chemical cleaners and/or UV radiation
- Damage through negligence, misuse, accident or abuse. (Repeated returns for the same damage may be abuse)
- Product damaged in accident and/or due to criminal activity
- Service performed by anyone other than Memphis Audio
- Subsequent damage to other components
- Any cost or expense related to the removal or re-installation of product
- Products with tampered, missing, altered or defaced serial numbers/labels
- Freight damage
- The cost of shipping product to Memphis Audio
- Return shipping on non-defective items
- Any product not purchased from an authorized Memphis Audio dealer

Some states do not allow the exclusion or limitation of incidental or consequential damages. The above limitations or exclusions may not apply to you. This warranty gives you specific rights, you may have other rights which vary from state to state.

If warranty service is required, a return authorization number is required to return the product to Memphis Audio. Warranty shipments to Memphis Audio are the responsibility of the purchaser. Pack the product carefully in the original carton if possible. Memphis Audio will not be responsible for damages incurred in shipment or due to improper packaging materials used by the purchaser.

If determined to be within warranty your product will be repaired or replaced at the discretion of Memphis Audio.

## Service/Returns

Please consult with your local authorized dealer if you experience issues with your unit. You may also contact Memphis Audio customer service at 800-489-2300 or email tech support directly at: [techsupport@memphiscaraudio.com](mailto:techsupport@memphiscaraudio.com). Do not attempt to return your amplifier directly to us without first calling for a Return Authorization number. Units received without an accompanying Return Authorization number will be processed more slowly. Additionally, you must include a copy of your purchase receipt from an authorized dealer for consideration of in-warranty service, otherwise repair charges will apply. Units received without a receipt will be held for up to 30 days allowing us time to contact you and obtain a copy of the receipt. After 30 days all units will be returned to you unrepaired.

# VIV

## SIXFIVE SERIES

Model	VIV750.1V2	VIV1100.1V2	VIV1500.1V2	VIV2200.1V2	VIV3000.1V2
<b>Topology</b>	Class D				
<b>OUTPUT 4Ω @ 14.4V (&lt;1%THD)</b>	175Wx1	275W x 1	375W x 1	550W x 1	850W x 1
<b>OUTPUT 2Ω @ 14.4V</b>	380Wx1	550W x 1	750W x 1	1100W x 1	1600W x 1
<b>OUTPUT 1Ω @ 14.4V</b>	750Wx1	1100Wx1	1500Wx1	2200Wx1	3000Wx1
<b>Bridged OUTPUT 4Ω @ 14.4V</b>	N/A	N/A	N/A	N/A	N/A
<b>Channel Separation (Full Rated Power)</b>	N/A	N/A	N/A	N/A	N/A
<b>(CMRR - Minimum) Full Differential</b>	-40dB at 1kHz, -36dB at 20kHz				
	Measured from RCA Output 1Vrms input				
<b>THD</b>	<1%	<1%	<1%	<1%	<1%
<b>12V Remote Turn On</b>	Yes	Yes	Yes	Yes	Yes
<b>DC Sense Turn on</b>	Yes	Yes	Yes	Yes	Yes
<b>Signal Sense Turn on</b>	Yes	Yes	Yes	Yes	Yes
<b>Frequency Response</b>	20 - 200 Hz				
<b>S/N Ratio (A-Weight) CEA2006</b>	>95dB	>95dB	>95dB	>95dB	>95dB
<b>Low Level Input (Low/Hi Switch)</b>	200mV - 5V				
<b>Hi Level Input</b>	400mV - 10V				
<b>Input Impedance</b>	>20K	>20K	>20K	>20K	>20K
<b>Battery Voltage Range for Operating</b>	9V - 16V				
<b>Power/Protection LED Indicator</b>	PWR = RGB PRT = Red				
<b>Protection - Over Current, Over Temp (Auto-Resetting)</b>	Yes	Yes	Yes	Yes	Yes
<b>Over/Under Voltage Protection</b>	Yes	Yes	Yes	Yes	Yes
<b>Number of RCA inputs (L/R Pairs)</b>	1	1	1	1	1
<b>Fader Switch (1 or 2 Pair of Input Channels)</b>	N/A	N/A	N/A	N/A	N/A
<b>Sub Input Switch (Amp 2 or Sub Input)</b>	N/A	N/A	N/A	N/A	N/A
<b>RCA Jack Output (Buffered)</b>	Yes	Yes	Yes	Yes	Yes
<b>Crossover Type</b>	LP	LP	LP	LP	LP
<b>Variable Crossover Range</b>	50 - 200 Hz				
<b>Crossover Slope</b>	48dB	48dB	48dB	48dB	48dB
<b>Subsonic Filter Slope</b>	24dB	24dB	24dB	24dB	24dB
<b>Variable Subsonic Filter Frequency</b>	10 - 80Hz				
<b>Variable Bass Boost</b>	N/A	N/A	N/A	N/A	N/A
<b>Fixed Bass Boost Frequency Q = 3</b>	N/A	N/A	N/A	N/A	N/A
<b>Remote Bass Control (Range = 0 to -26dB) Parametric Bass Boost</b>	Yes	Yes	Yes	Yes	Yes
<b>Center Frequency Range: 20 to 80Hz (40 at center) Variable Q: 1 to 5 (3 at center) Variable Boost: 0 to +18dB</b>	Yes	Yes	Yes	Yes	Yes

Model	VIV400.4V2	VIV600.4V2	VIV750.6V2	VIV1300.5V2	VIVBELLE
<b>Topology</b>	Class D	Class D	Class D	Class D	Class D
<b>OUTPUT 4Ω @ 14.4V (&lt;1%THD)</b>	65W x 4	80W x 4	70W x 6	75W x 4 + 300W x 1	75W x 4 + 300W x 1
<b>OUTPUT 2Ω @ 14.4V</b>	100W x 4	150W x 4	125W x 6	125W x 4 + 500W x 1	125W x 4 + 500W x 1
<b>OUTPUT 1Ω @ 14.4V</b>	N/A	N/A	N/A	900W @ 1 Ohm on 5th Channel*	900W @ 1 Ohm on 5th Channel*
<b>Bridged OUTPUT 4Ω @ 14.4V</b>	200W x 2	300W x 2	250W x 3	150W x 2 + 500W x 1 (2 Ohm)	150W x 2 + 500W x 1 (2 Ohm)
<b>Channel Separation (Full Rated Power)</b>	>55db	>55db	>55dB	>55dB	>55dB
<b>(CMRR - Minimum) Full Differential</b>	-40dB at 1kHz, -36dB at 20kHz Measured from RCA Input 1Vrms input	-40dB at 1kHz, -36dB at 20kHz Measured from RCA Output 1Vrms input	-40dB at 1kHz, -36dB at 20kHz Measured from Speaker Output 1Vrms input	-40dB at 1kHz, -36dB at 20kHz Measured from Speaker Output 1Vrms input	-40dB at 1kHz, -36dB at 20kHz Measured from Speaker Output 1Vrms input
<b>THD</b>	<1%	<1%	<1%	<1%	<1%
<b>12V Remote Turn On</b>	Yes	Yes	Yes	Yes	Yes
<b>DC Sense Turn on</b>	Yes	Yes	Yes	Yes	Yes
<b>Signal Sense Turn on</b>	Yes	Yes	Yes	Yes	Yes
<b>Frequency Response</b>	10 Hz - 20 kHz	10 Hz - 20 kHz	10 Hz - 20 kHz	Full Range 10 Hz - 20 kHz Sub Channel 20 Hz - 200 Hz	Full Range 10 Hz - 20 kHz Sub Channel 20 Hz - 200 Hz
<b>S/N Ratio (A-Weight) CEA2006</b>	>95dB	>95dB	>95dB	>95dB	>95dB
<b>Low Level Input (Low/Hi Switch)</b>	200mV - 5V	200mV - 5V	200mV - 5V	200mV - 5V	200mV - 5V
<b>Hi Level Input</b>	400mV - 10V	400mV - 10V	400mV - 10V	400mV - 10V	400mV - 10V
<b>Input Impedance</b>	>20K	>20K	>20K	>20K	>20K
<b>Battery Voltage Range for Operating</b>	9V - 16V	9V - 16V	9V - 16V	9V - 16V	9V - 16V
<b>Power/Protection LED Indicator</b>	PWR + RGB PRT + Red	PWR + RGB PRT + Red	PWR + RGB PRT + Red	PWR + RGB PRT + Red	PWR + RGB PRT + Red
<b>Protection - Over Current, Over Temp (Auto-Resetting)</b>	Yes	Yes	Yes	Yes	Yes
<b>Over/Under Voltage Protection</b>	Yes	Yes	Yes	Yes	Yes
<b>Number of RCA inputs (L/R Pairs)</b>	2	2	3	3	3
<b>Fader Switch (1 or 2 Pair of Input Channels)</b>	Yes	Yes	Yes	Yes	Yes
<b>Sub Input Switch (Amp 2 or Sub Input)</b>	N/A	N/A	N/A	Yes	Yes
<b>RCA Jack Output (Buffered)</b>	Yes	Yes	No	No	No
<b>Crossover Type</b>	Front-Off/HP/LP Rear-Off/HP/LP/BP	Front-Off/HP/LP Rear-Off/HP/LP/BP	CH1-2 -Off/HP/LP CH3-4 -Off/HP/LP/BP CH5-6 -Off/HP/LP	Front-Off/HP/LP Rear-Off/HP/LP/BP SUB = LP	Front-Off/HP/LP Rear-Off/HP/LP/BP SUB = LP
<b>Variable Crossover Range</b>	Front 10 - 500 Hz (LOX Switch) Rear (2 VRs) HP 10 - 500 Hz LP = 50 - 500 Hz (LOX Switch)	Front 10 - 500 Hz (LOX Switch) Rear (2 VRs) HP 10 - 500 Hz LP = 50 - 500 Hz (LOX Switch)	CH1-2 10 - 500 Hz (LOX Switch) CH3-4 HP = 10 - 500 Hz LP = 50 - 500 Hz (LOX Switch) CH5-6 10 - 500 Hz (LOX Switch)	Front 10 - 500 Hz (LOX Switch) Rear (2 VRs) HP = 10 - 500 Hz LP = 50 - 500 Hz (LOX Switch) SUB = 50 - 200 Hz	Front 10 - 500 Hz (LOX Switch) Rear (2 VRs) HP = 10 - 500 Hz LP = 50 - 500 Hz (LOX Switch) SUB = 50 - 200 Hz
<b>Crossover Slope</b>	24dB	24dB	24dB	24dB	24dB
<b>Subsonic Filter Slope</b>	N/A	N/A	N/A	SUB CHANNEL: 24dB	SUB CHANNEL: 24dB
<b>Variable Subsonic Filter Frequency</b>	N/A	N/A	N/A	SUB CHANNEL: 10 - 80Hz	SUB CHANNEL: 10 - 80Hz
<b>Variable Bass Boost</b>	0-18dB	0-18dB	CH1-2 CH3-4 0-18dB	SUB CHANNEL: 0-18dB	SUB CHANNEL: 0-18dB
<b>Fixed Bass Boost Frequency Q = 3</b>	45Hz	45Hz	45Hz	SUB CHANNEL: 45Hz	SUB CHANNEL: 45Hz
<b>Remote Bass Control (Range = 0 to -26dB)</b>	N/A	N/A	N/A	Yes	Yes

\* VIV1300.5V2 & VIVBELLE Amplifiers are 1Ω stable on the 5th channel only. Only operate 5th channel at 1Ω when running 2 of the other channels at 2Ω or higher. Do not run all full range channels at 2Ω with 5th sub channel at 1Ω, doing so may damage the amplifier.

## Installation Information

Memphis Audio recommends the installation of our products to be performed by an Authorized dealer. Attempting an installation project on your own or through an unauthorized source may result in damage to your products and may potentially void your warranty.

Amplifiers are generally mounted in the hatch/trunk area of your car or SUV or behind the seat of most pick up trucks. Select a location that provides adequate ventilation. Amplifier should be secured using the screws provided.

## Warning

For your safety, always inspect the mounting location carefully to ensure you are not drilling into any electrical, hydraulic, fuel or fluid lines. Always check your speaker load with a multi-meter before connecting the amplifier. Connecting any speaker load lower than the rated impedance of the amplifier will result in damage to the amplifier. Damage of this nature is NOT covered under warranty. Please pay close attention to what connections are made to the amplifier.

### TIP



If you are uncertain or uncomfortable proceeding with your installation, please contact your local authorized Memphis Audio Dealer

## Troubleshooting

**When troubleshooting your amp, speaker and speaker wires should be tested first.**

### No Output:

- Confirm all wiring is firmly connected. Both +12V and REM terminals must have +12 Volts present and GND must be connected to chassis' ground or to the negative battery terminal.
- Confirm the signal source is connected and supplying an output signal. To confirm the amp is working, connect an RCA patch cord to the line inputs of the amplifier (do not connect the other end of the patch cord). Briefly tap the center pin of each disconnected RCA with your finger. This should produce a noise (brief static or hum) in the speakers.
- If the amp is hot, check the speaker impedance or load. The total minimum impedance of all speakers should not be lower than the rating of the amp.

### Only One Channel Works:

- Confirm the speaker terminal strip connections are firmly connected.
- Check "balance" control on your signal source.
- If using RCA Low-Level inputs, reverse the input plugs at the amplifier. If the channel that is silent reverses position, the problem is in the source unit or connecting cable.

### Weak Output

- Check input sensitivity control adjustment.

### Unwanted Noise

- Whine that increases and decreases with engine speed - confirm the Amp & Source unit are grounded properly.
- Clicking or popping noise at a rate that follows engine speed - this is often induced by the vehicles ignition system. Confirm that the vehicle is equipped with resistor spark plugs and wires. The ignition system may need service.
- Noise can be caused by routing speaker input wires too close to the light wires and other accessory wires in the vehicle. Re-route wires to avoid unwanted interference.
- If above steps do not improve/reduce noise, the system should be checked by a professional audio installer at a Memphis Authorized Dealer.

### Red LED is Illuminated

- Speaker or wire is shorted
- Battery voltage too low
- Battery voltage too high
- Amplifier has overheated due to improper ventilation

## Power Supply Connections



*Install the fuse at the battery last!*



Use conventional stranded copper wire for all connections. Finish the ends of the wires at the amp and vehicle with proper size terminals. Poorly made connections and/or inadequate wire size will generate excessive heat and may lead to equipment failure.

### 12 Volt + Connection

make the 12V+ connection directly at the positive battery post using the proper wire size and fuse listed below, The fuse should be installed within 18" of the battery. This fuse is vital to protecting the vehicle from damage in the case of a dead short. The fuse value at the battery should be at least equal to the total fuse value of all the amplifiers being used.

Model	Fuse Value	Amp Kit
VIV750.1V2	60A	4GKIT
VIV1100.1V2	100A	0GKIT
VIV1500.1V2	150A	0GKIT
VIV2200.1V2	200A	0GKIT
VIV3000.1V2	280A	0GKIT

Model	Fuse Value	Amp Kit
VIV400.4V2	60A	4GKIT
VIV600.4V2	70A	4GKIT
VIV1300.5V2	100A	0GKIT
VIVBELLE	100A	0GKIT
VIV750.6V2	80A	0GKIT

### Ground Connection:

Make ground connection directly to the chassis of the vehicle as close to the amp as possible. Make sure this connection is made with the same wire size as used for the 12 volt connection. Ensure that all dirt, grease, paint and coatings are removed prior to attaching the ground wire to chassis.

### Remote Turn-On

Remote turn on should be connected to the source unit's remote turn on lead.

### Automatic Turn-On Selection:

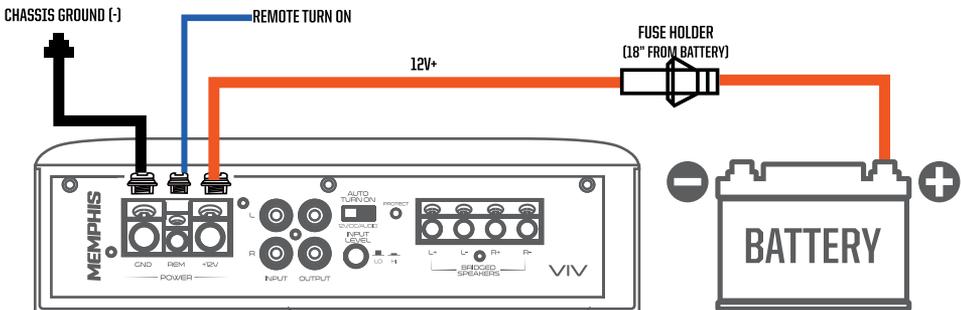
The Six Five series offers three different automatic turn-on modes that can be selected on the end panel; +12V, DC Offset, and Audio. Using either the DC Offset or Audio mode causes the REM terminal to have +12V out for turning on additional amplifiers.

**Remote Turn-On 12V method:** Set the switch to +12V to use the remote turn-on lead from your source unit. Run 18 gauge wire from the Remote Turn-On Lead on your source unit to the terminal labeled REM between the amplifier's positive and negative power terminals. This is the preferred automatic turn-on method.

**Remote Turn-On DC OFFSET method:** If Remote Turn-On is not an option, the next best setting is DC Offset. The DC Offset mode detects a 6V DC offset from the HI-Level speaker outputs when the source unit has been turned on.

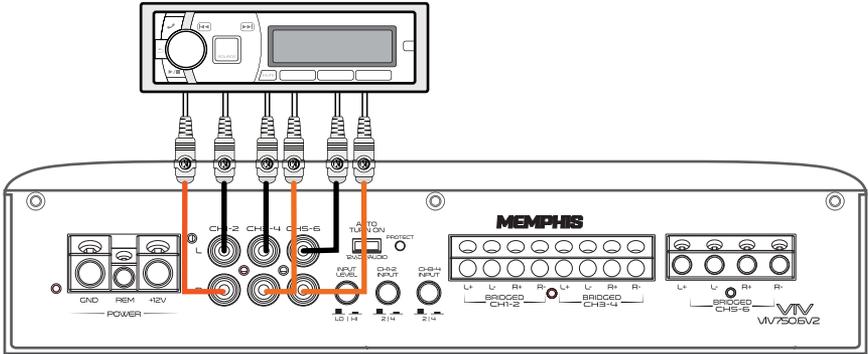
**Remote Turn-On SIGNAL SENSE method:** The Audio setting is the final alternative for Automatic turn-on. This is a Signal Sense turn-on method that detects the incoming audio signal from your source unit and automatically turns on the amp. This turn-on method will not work properly if the input gain control is not set appropriately.

### Power Connections

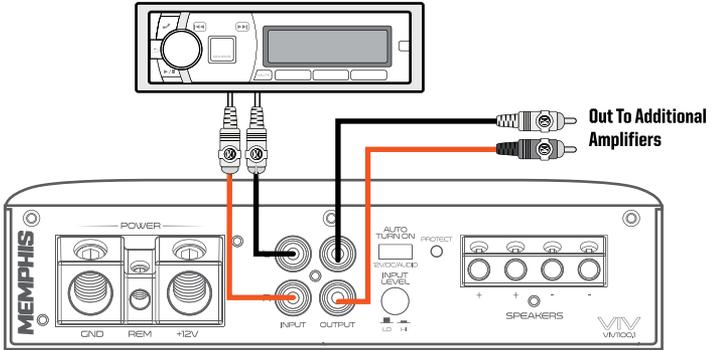




VIV750.6V2



VIV3000.1V2 // VIV2200.1V2 // VIV1500.1V2 // VIV1100.1V2 // VIV750.1V2



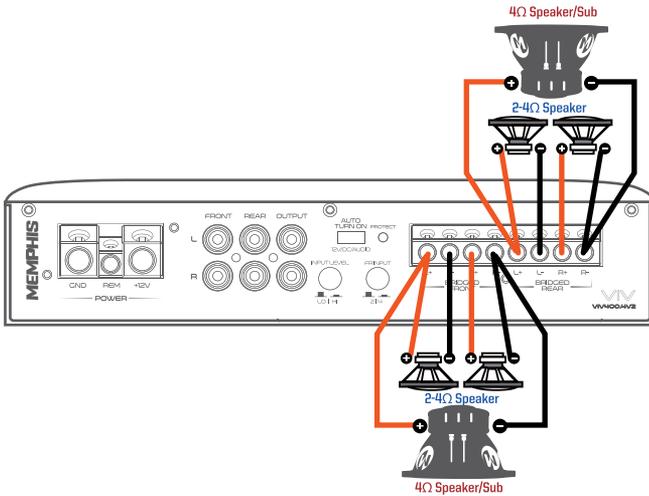
## Wiring Multi-Channel Amps

Speakers have a positive and negative marking on the terminals. These are used to indicate polarity and must be considered when wiring speakers or subwoofers to an amplifier. Amplifiers also have positive and negative markings on their speaker outputs. Use these markings to match polarities to ensure the speakers are in phase. Failure to wire speakers or woofers in phase with one another will result in a loss of bass. All Six Five Series amplifiers require a minimum 2 ohm impedance in stereo or 4 ohm in mono (bridged) mode.

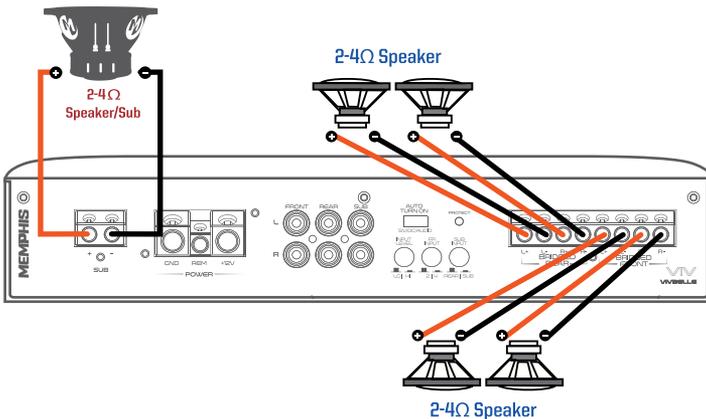


Always check your speaker load with a multi-meter before hooking them up to the amplifier. The VIV400.4V2 amplifier is stable to 2 ohms stereo or 4 ohms bridged mono. The VIV1300.5V2 // VIVBELLE amplifiers are stable to 2 ohms stereo (front & rear channels) and stable to 2 ohms (sub channel). Any Impedance (load) smaller than what is recommended will damage the amplifier! Such damage is not covered under warranty, so pay strict attention to what connections are made to the amplifier.

### VIV400.4V2 // VIV600.4V2

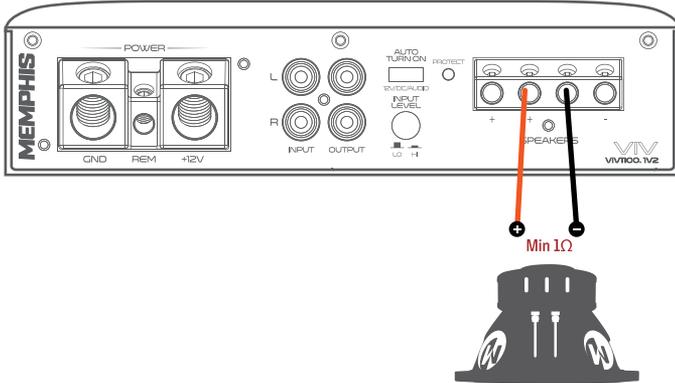


### VIV1300.5V2 // VIVBELLE

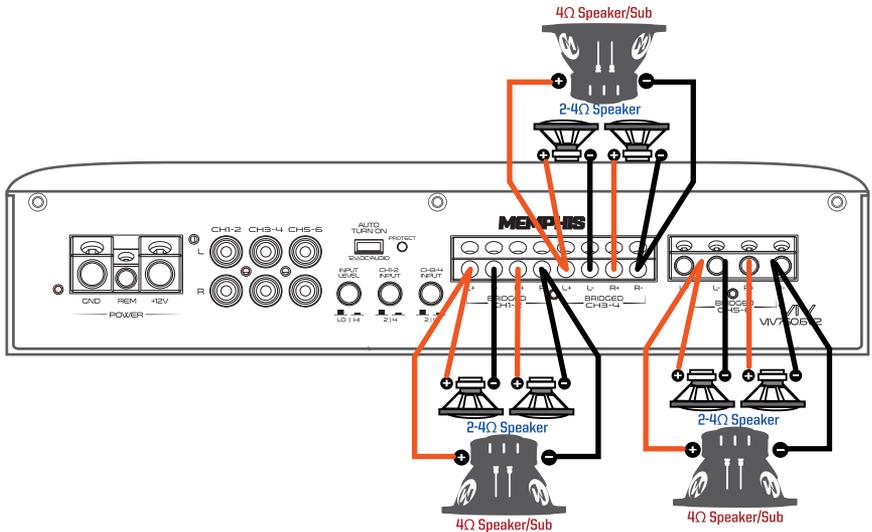


## Wiring Single Channel Amps

VIV3000.1V2 // VIV2200.1V2 // VIV1500.1V2 // VIV1100.1V2 // VIV750.1V2



VIV750.6V2



### WIRING SUBWOOFERS

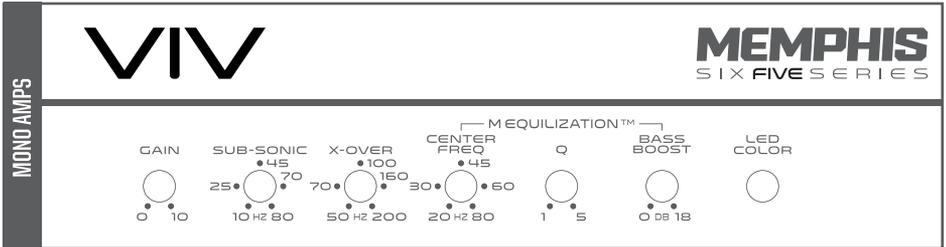
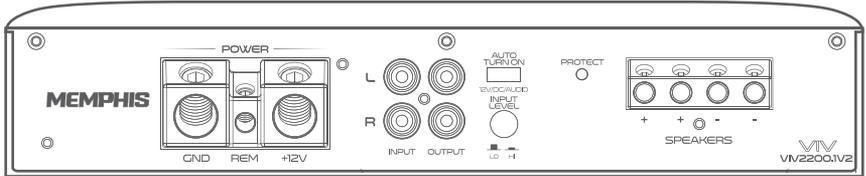
When using a single amplifier to power one subwoofer, the positive and negative terminal of the subwoofers voice coil is connected the positive and negative terminal of the Amplifier.



Always check your speaker load with a multi-meter before hooking up to the amplifier. The VIV Series Mono Amplifiers are 1 ohm stable. Any Impedance (load) smaller than 1 ohm will damage the amplifier! Such damage is not covered under warranty, so pay strict attention to what connections are made to the amplifier.

## Setup And Adjustment

### MONO Amplifiers



### Controls are located under top plate for easy access

**Input Level:** The RCA inputs on SixFive Series amplifiers are capable of receiving either Hi or Low-level signals from your source unit. If the only output available from your source unit is a Hi-Level signal, simply press in the Input Level switch on the amplifier. Refer to the wiring section of this manual for additional instructions.

**Input Gain Control:** The input gain control is not a volume control. It matches the output of the source unit to the input level of the amplifier. Turn the source unit up to about 3/4 volume (if the source unit goes to 30, turn it to 25). Next, slowly turn (clockwise) the gain on the amplifier up until you can hear audible distortion, then turn it down a little.

**Adjustable Subsonic Filter:** The variable subsonic filter will provide a cut-off point for lower frequencies (10-80Hz) that could potentially damage your speakers from over-excursion, along with wasting your amplifier's power. The setting for this control should be set relative to your speaker's low-frequency capability.

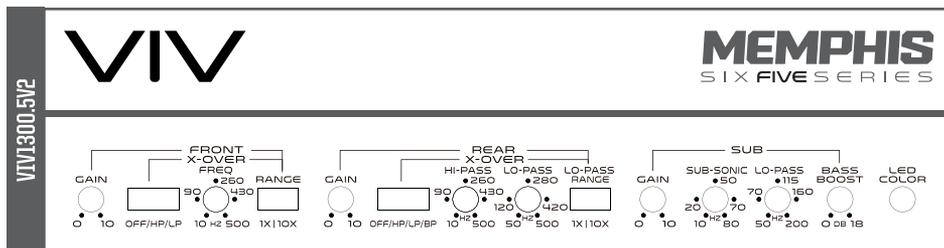
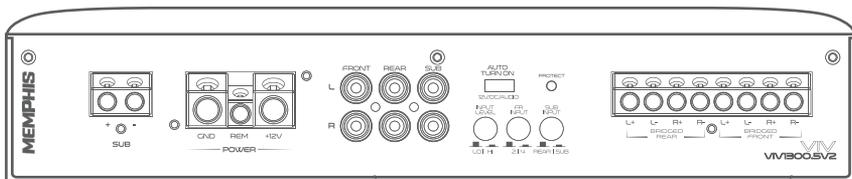
**Crossover Control:** The variable crossover on the amplifier is always active, and allows you to adjust the LO-PASS crossover frequency from 40-160Hz. The setting for this control is subjective; 80Hz is a good place to start.

**Bass Boost Control:** The variable bass boost control on the side of the amplifier is designed to give you increased output, 0-18dB, at the selected frequency. A higher BANDWIDTH (Q) setting will result in a sharper cut at the frequencies above and below the selected center frequency. The setting for this control is subjective. If you turn it up, you must readjust the input gain control to avoid clipping the amplifier.

**Remote Bass Control (VIVREM Sold Separately):** With the optional VIVREM remote bass level control, you have the ability to control the output level of the amplifier remotely. To surface-mount the VIVREM remote bass level control, simply screw the remote to the chosen location. The VIVREM is set to pair with your SixFive Series amplifier directly out of the box and will immediately control your amplifier. If the VIV Remote does not connect to your amplifier, power down your amplifier and power it back on, the remote should now be paired.

## Setup And Adjustment Continued

### VIVBELLE // VIV1300.5V2 5-Channel Amplifier



#### Controls are located under top plate for easy access

**Input Level:** The RCA inputs on SixFive Series amplifiers are capable of receiving either Hi or Low-level signals from your source unit. If the only output available from your source unit is a Hi-Level signal, simply press in the Input Level switch on the amplifier. Refer to the wiring section of this manual for additional instructions.

**FR Input (Full Range):** Depress the FR switch if you are running two sets of inputs (front and rear for example) to the amplifier. Leave the FR switch OFF if you want to drive all channels from a single stereo input.

**Sub Input:** If there is no dedicated output on your source unit for a subwoofer, use the SUB INPUT switch to set your subwoofer input to either SUB INPUT or REAR.

**Input Gain Control:** The input gain control is not a volume control. It matches the output of the source unit to the input level of the amplifier. Turn the source unit up to about 3/4 volume (if the source unit goes to 30, turn it to 25). Next, slowly turn (clockwise) the gain on the amplifier up until you can hear audible distortion, then turn it down a little.

**Bass Boost Control:** The variable bass boost control on the amplifier is designed to give you increased output, 0-18dB, at 45 Hz. The setting for this control is subjective. If you turn it up, you must readjust the input gain control to avoid clipping the amplifier.

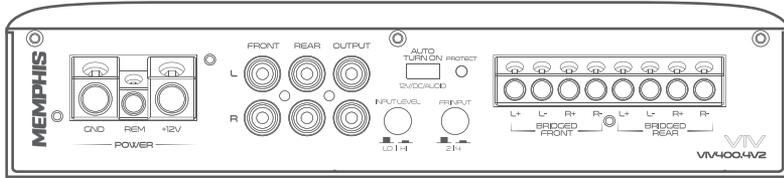
**Crossover Switches with Frequency Multiplier:** Use the XOVER switches on the amplifier to set the internal crossovers for FRONT & REAR to OFF, HI-PASS, LO-PASS, or BAND-PASS (REAR only). When the switch is set to OFF, a full bandwidth signal will be amplified. Set the switch to HP if you want the amplifier's internal crossover to serve as a high-pass filter. Set the switch to LP if you want the amplifier's internal crossover to serve as a low-pass filter. Set the switch to BP when a specific frequency range is required. **Never change the crossover switches with the audio system on!**

Set the 1X/10X frequency multiplier switch to the setting that is appropriate for your application. A setting of 10X will set the range of the FRONT crossover to 100-5,000Hz, and the LO-PASS crossover of REAR to 500-5,000Hz.

**FR input (full Range):** Depressing button selects 4 Channel, raised button selects 2 channel inputs. If 2CH or 4CH is selected on the VIV900.5, the subwoofer channel will be provided.

## Setup And Adjustment Continued

VIV400.4V2 // VIV600.4 4-Channel Amplifier

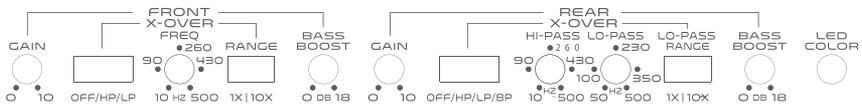


# VIV

# MEMPHIS

SIX FIVE SERIES

VIV400.4V2



**Controls are located under top plate for easy access**

**Input Level:** The RCA inputs on SixFive Series Amplifiers are capable of receiving either Hi or Low-level signals from your source unit. If the only output available from your source unit is a Hi-Level signal, simply press in the FR (Full Range) switch on the amplifier. Either input method will provide a low-level output signal at the RCA output, which effectively passes the audio signal to another amplifier or component. Refer to the wiring section of this manual for additional instructions.

**Input Gain Control:** The input gain control is not a volume control. It matches the output of the source unit to the input level of the amplifier. Turn the source unit up to about 3/4 volume (if the source unit goes to 30, turn it to 25). Next, slowly turn (clockwise) the gain on the amplifier up until you can hear audible distortion, then turn it down a little.

**Crossover Switches with Frequency Multiplier:** Use the XOVER switches on the amplifier to set the internal crossovers of REAR & FRONT to OFF, HI-PASS, LO-PASS, or BAND-PASS (FRONT only). When the switch is set to OFF, a full bandwidth signal will be amplified. Set the switch to HP if you want the amplifier's internal crossover to serve as a high-pass filter. Set the switch to LP if you want the amplifier's internal crossover to serve as a low-pass filter. Set the switch to BP when a specific frequency range is required. Never change the crossover switches with the audio system on!

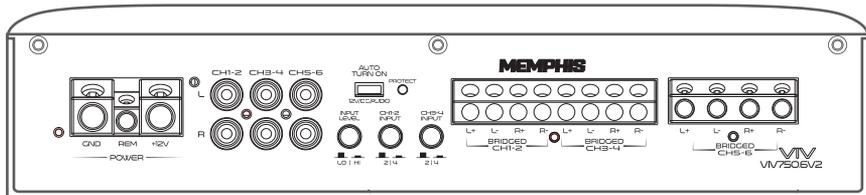
Set the 1X/10X frequency multiplier switch to the setting that is appropriate for your application. A setting of 10X will set the range of the REAR crossover to 100-5,000Hz, and the LO-PASS crossover of FRONT to 500-5,000Hz.

**Bass Boost Control:** The variable bass boost control on the SixFive Series amplifier is designed to give you increased output, 0-18dB, at 45Hz. The setting for this control is subjective. If you turn it up, you must readjust the input gain control to avoid clipping the amplifier.

**Input Mode Switch:** Depressing button selects 4-Channel, raised button selects 2 channel inputs.

## Setup And Adjustment Continued

### VIV750.6V2 6-Channel Amplifier



VIV750.6V2



#### Controls are located under top plate for easy access

**Input Level:** The RCA inputs on SixFive Series amplifiers are capable of receiving either Hi or Low-level signals from your source unit. If the only output available from your source unit is a Hi-Level signal, simply press in the Input Level switch on the amplifier. Refer to the wiring section of this manual for additional instructions.

**Input Gain Control:** The input gain control is not a volume control. It matches the output of the source unit to the input level of the amplifier. Turn the source unit up to about 3/4 volume (if the source unit goes to 30, turn it to 25). Next, slowly turn (clockwise) the gain on the amplifier up until you can hear audible distortion, then turn it down a little.

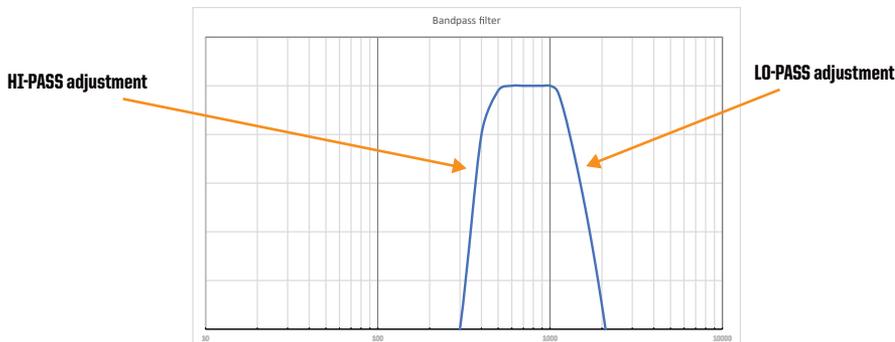
**Crossover Control with Frequency Multiplier Switch:** The variable crossover on the side of the amplifier allows you to set the crossover to OFF, HI-PASS, LO-PASS or BAND-PASS at frequencies from 10Hz-5,000Hz. The setting for this control is subjective.

**Bass Boost Control:** The variable bass boost control on the SixFive Series amplifier is designed to give you increased output, 0-18dB, at 45Hz. The setting for this control is subjective. If you turn it up, you must readjust the input gain control to avoid clipping the amplifier.

#### Band pass crossover:

With the crossover switch in the "BP" setting, you can use both the low pass and high pass adjustments to create your custom band pass filter. Use the HI-PASS adjustment to change the frequency point of the low-end slope. Use the LO-PASS adjustment to change the frequency point of the high end slope.

This feature allows you to custom tune the sound of your mid-range speaker. You can match the size and frequency response of your mid-range speaker to the amp allowing you to get the most out of your speakers.





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# VIV

SIXFIVE SERIES

## CONTACT INFO



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