



SINISTER  **SOUND**

98-13 ROAD GLIDE/ULTRA

INSTALLATION INSTRUCTIONS



98-13 ROAD GLIDE/ULTRA INSTALLATION INSTRUCTIONS

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KIT PARTS

BASE KIT PARTS:

- 1 - SinisterSound speaker enclosure, Clutch side
- 1 - SinisterSound speaker enclosure, Brake side
- 1 - Fairing speaker bracket, Clutch side
- 1 - Fairing speaker bracket, Brake side
- 8 - Thread cutting nuts
- 2 - Speaker covers
- 1 - Fairing brace bracket, Clutch side
- 1 - Fairing brace bracket, Brake side
- 4 - Bracket to enclosure screws



WITH AMPLIFIER

- 1 - Amplifier
- 1 - SinisterSound power and ground cable
- 1 - RCA Cables



WITH HEAD UNIT

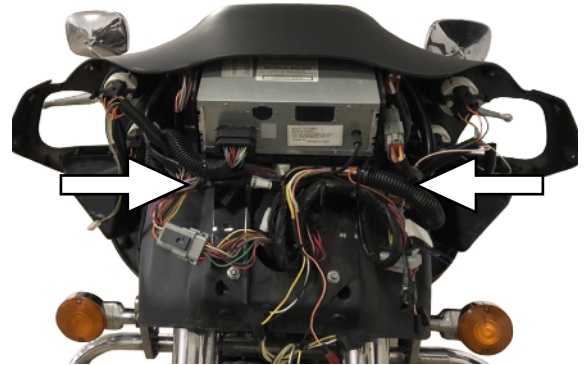
- 1 - Head Unit/Mounting Kit
- 1 - PAC grip control adapter



PREPARE THE BIKE

1

Remove the outer fairing and old audio equipment. Move any wiring harnesses that would interfere with the new SinisterSound enclosures toward the radio. Installation of SinisterSound Enclosures



If you already have an Amplifier go to the Installation of SinisterSound Fairing Kit section.

If you are installing an Amplifier or Head Unit, continue.

2

Remove the seat to expose the battery.

3

Remove the gas tank to expose the cable channel.



INSTALLATION OF HEAD UNIT

If you already have a head unit installed, go to the Installation of the SinisterSound Fairing kit section.

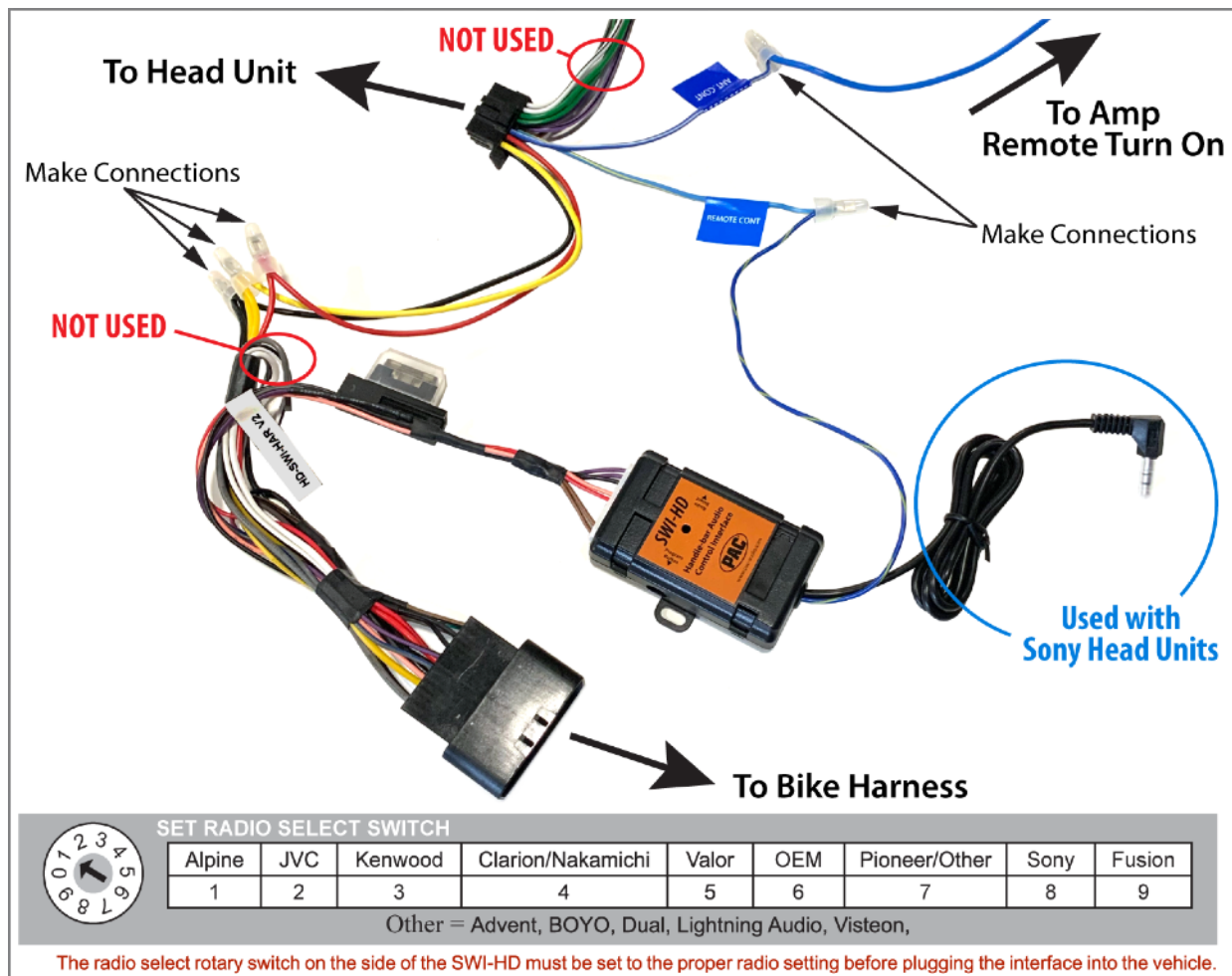
Follow the instructions included with your head unit.

IMPORTANT: You must use a radio with no CD player like the Kenwood, JVC or Sony mechless. That way the amplifier will still fit in fairing in front of the radio. Largest amp size needs to stay at or under 8.25" wide. We recommend the Arc Audio MOTO720 for this bike with mechless head units. If you use deeper head units like the stock Harley unit, Rockford or Aquatic AV's, you can use the 2-channel Diamond 2v2 amp and still fit in the fairing. Otherwise, the amp will need to be relocated to one of the bags.

NOTE: A PAC Adapter is required with the Kenwood, JVC and Sony head units to retain grip controls.

INSTALLING THE PAC HANDLE-BAR AUDIO CONTROL INTERFACE

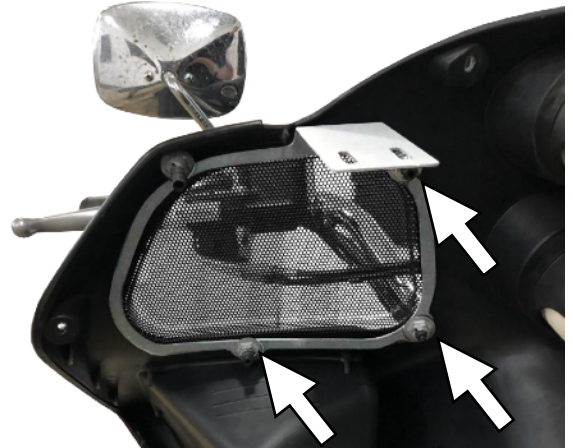
1. Set the radio select rotary switch on the side of the module to match the head unit brand as shown in the chart below. *This must be done before plugging the interface into the bike.*
2. Connect the Yellow, Black and Red wires from the head unit harness to the Yellow, Black and Red wires of the PAC Harness.
3. Connect the Blue/White (Ant. Cont) wire from the head unit harness to the Blue Amp Remote Turn On wire.
4. Connect the Blue/Green (Remote Cont) wire from the head unit harness to the Blue/Green wire of the PAC unit.
5. Connect the head unit harness to the head unit.
6. Connect the PAC harness to the bike harness.



INSTALLATION OF SINISTERSOUND FAIRING KIT

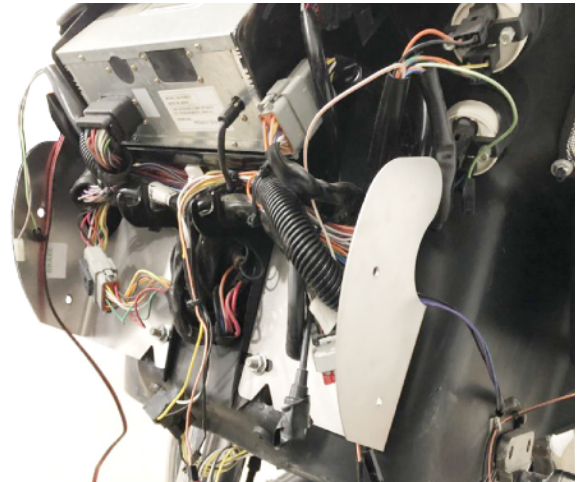
1

Place speaker covers between inner fairing and mounting brackets. Use included thread cutting nuts.



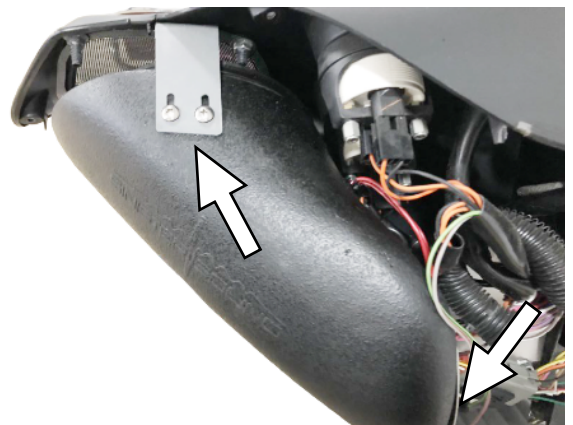
2

Mount the larger stainless brackets as shown. Look for the pin on the brake side.



3

Attach the enclosures to the brackets using the 4 supplied screws.



If you already have an amplifier continue to step 4.

If you are installing an amplifier, skip step 4 and go to the Installation of Amplifier section.

4 Connect your speaker pods to your amplifier using the appropriate output connections per amplifier instructions.

For Arc Audio amplifier wiring and settings, see Arc Audio Amplifier Wiring and Settings.

For Diamond Audio amplifier wiring and settings, see Diamond Audio Amplifier Wiring and Settings section.

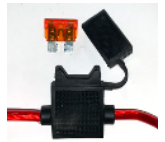
INSTALLATION OF AMPLIFIER

IMPORTANT: You must use a radio with no CD player like the Kenwood, JVC or Sony mechless. That way the amplifier will still fit in fairing in front of the radio. Largest amp size needs to stay at or under 8.25" wide. We recommend the Arc Audio MOTO720 for this bike with mechless head units. If you use deeper head units like the stock Harley unit, Rockford or Aquatic AV's, you can use the 2-channel Diamond 2v2 amp and still fit in the fairing. Otherwise, the amp will need to be relocated to one of the bags.

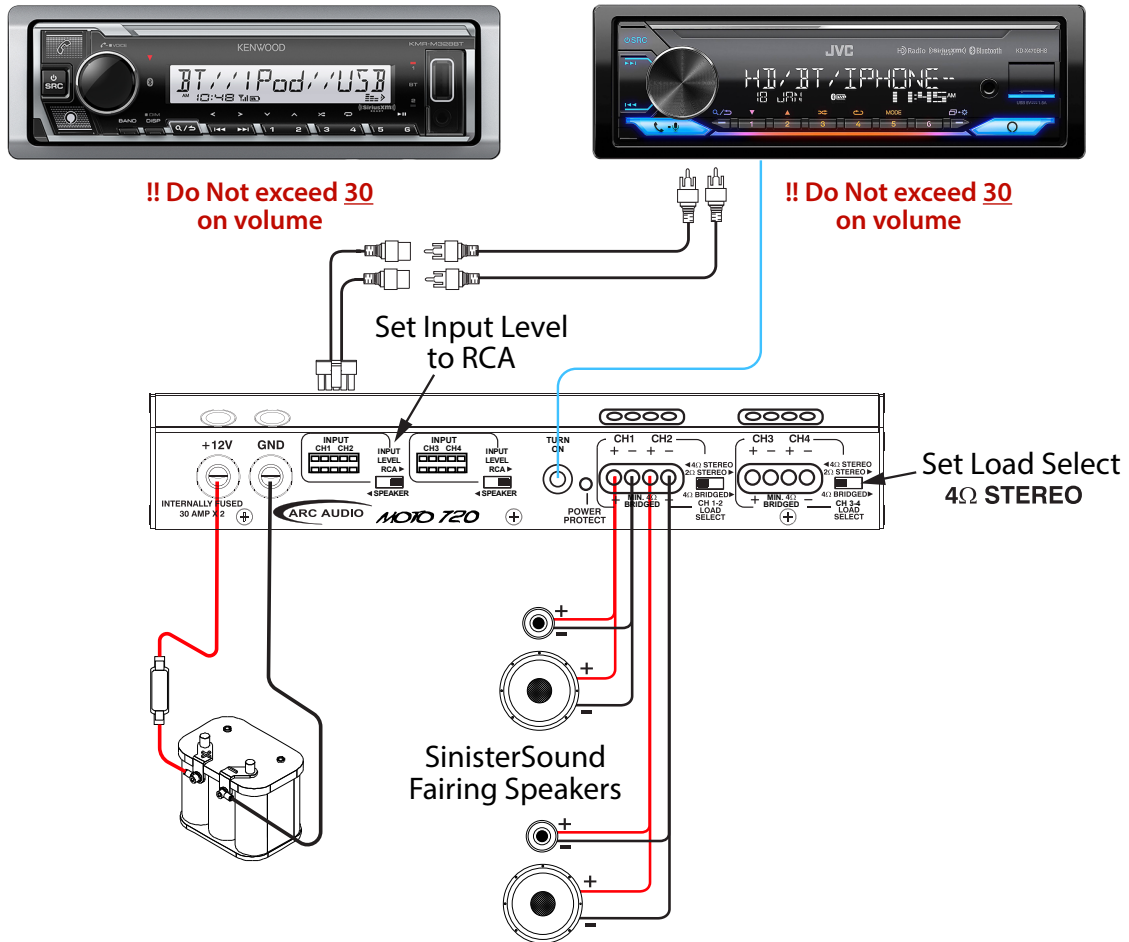
ARC AUDIO AMPLIFIER WIRING AND SETTINGS

ARC AUDIO MOTO720

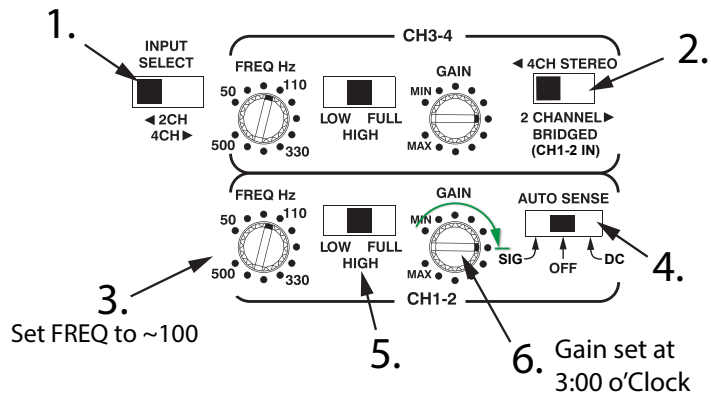
1. Remove the fuse from the SinisterSound power and ground cable.
2. Connect the SinisterSound power and ground cable to the amplifier and route towards the battery through the cable channel under the tank.
3. Make the connections and amp settings per the diagram specific to your application:
 - [Moto720 Kenwood/JVC Head Unit - Sinister Fairing Kit](#)
 - [Moto720 Kenwood/JVC Head Unit - Sinister Fairing Kit + Lids](#)
 - [Moto720 Kenwood/JVC Head Unit - Sinister Fairing Kit + Crazy 8's](#)
 - [Moto720 Kenwood/JVC Head Unit - Sinister Fairing Kit + Tour Pack 5.25's](#)
 - [Moto720 Sony Head Unit - Sinister Fairing Kit](#)
 - [Moto720 Sony Head Unit - Sinister Fairing Kit + Lids](#)
 - [Moto720 Sony Head Unit - Sinister Fairing Kit + Crazy 8's](#)
 - [Moto720 Sony Head Unit - Sinister Fairing Kit + Tour Pack 5.25's](#)
 - [Diamond Audio Micro 2v2 - Sinister Fairing Kit](#)
4. Connect the power and ground cable to the battery
5. Insert the fuse on the power and ground cable.
6. Continue to the [Testing and Tuning](#) section.



MOTO720 KENWOOD/JVC - SINISTER FAIRING KIT



Amp Settings



WARNING!

Exceeding these gain settings will result in equipment damage!

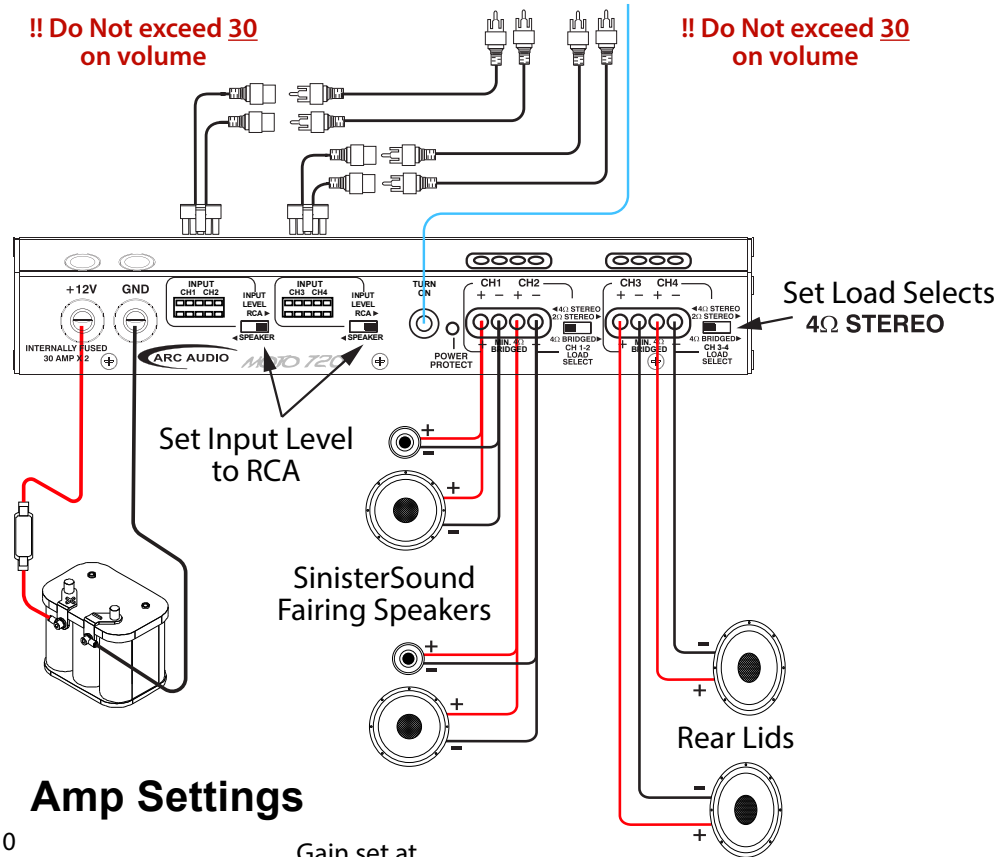
Exceeding the volume of 30 on the head unit will result in equipment damage!

MOTO720 KENWOOD/JVC - SINISTER FAIRING KIT + LIDS

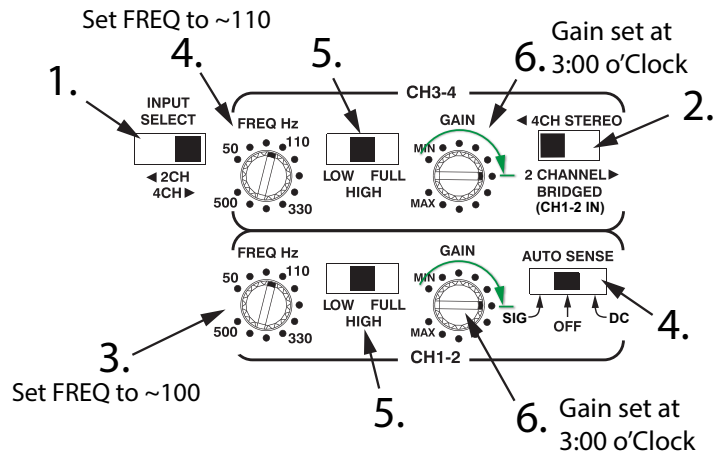


!! Do Not exceed 30 on volume

!! Do Not exceed 30 on volume



Amp Settings



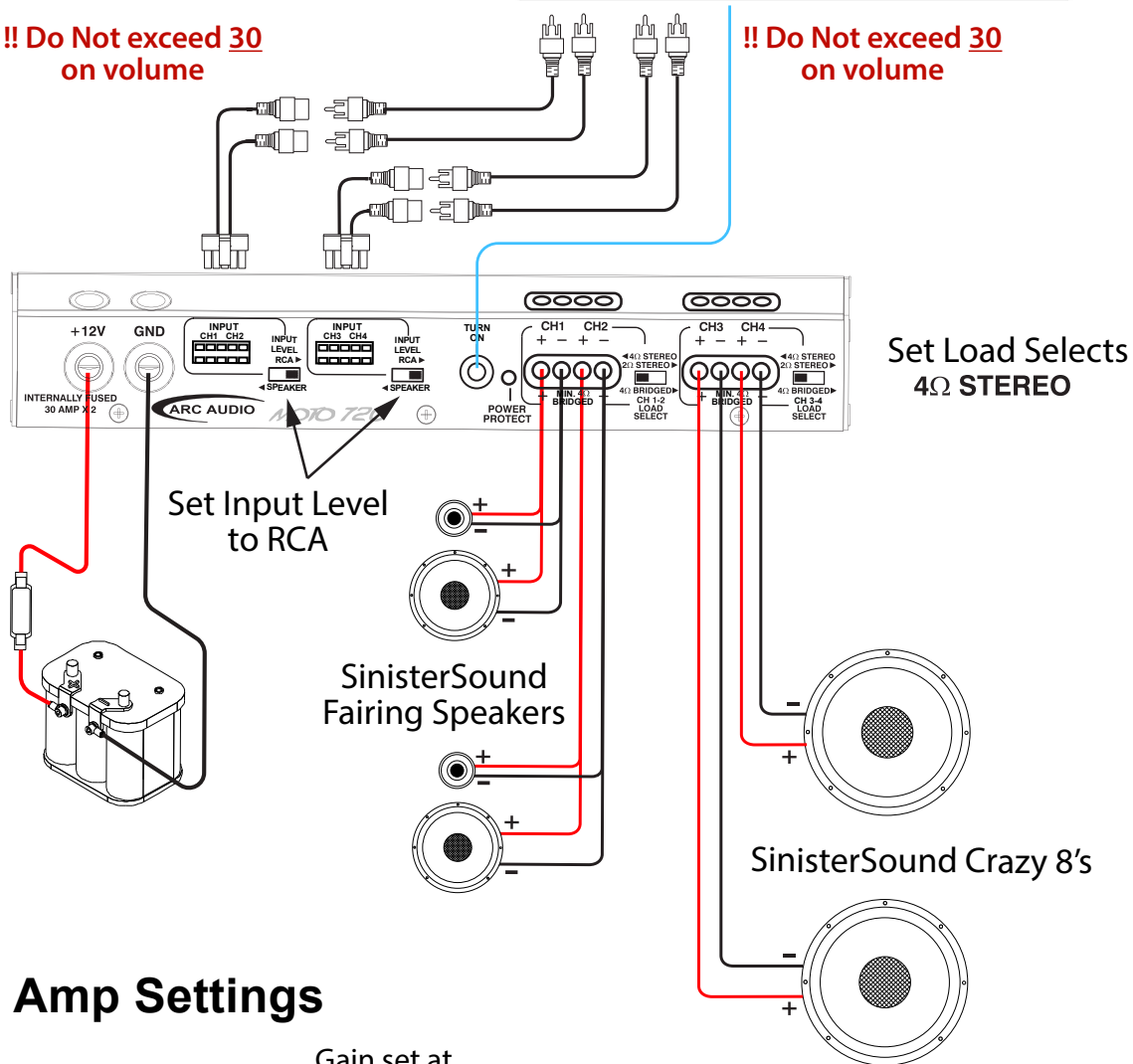
WARNING!

Exceeding these gain settings will result in equipment damage!

Exceeding the volume of 30 on the head unit will result in equipment damage!



!! Do Not exceed 30 on volume



The diagram illustrates the input section of the 6032A oscilloscope, divided into two main sections: CH1-2 (bottom) and CH3-4 (top). Each section contains a frequency selector, a gain control, and a channel selection switch.

CH1-2 Section (Bottom):

- 1. INPUT SELECT:** A switch with positions for 2CH and 4CH. An arrow points to the 4CH position.
- 2. FREQ Hz:** A rotary switch with markings at 50, 110, 500, and 330. An arrow points to the 50 position.
- 3. GAIN:** A rotary switch with markings at MIN, MAX, and a central position. A green arrow indicates a clockwise rotation from MIN towards the center.
- 4. AUTO SENSE:** A switch with positions for SIG, OFF, and DC. An arrow points to the SIG position.

CH3-4 Section (Top):

- 1. INPUT SELECT:** A switch with positions for 2CH and 4CH. An arrow points to the 4CH position.
- 2. FREQ Hz:** A rotary switch with markings at 50, 110, 500, and 330. An arrow points to the 50 position.
- 3. GAIN:** A rotary switch with markings at MIN, MAX, and a central position. A green arrow indicates a clockwise rotation from MIN towards the center.
- 4. CHANNEL SELECT:** A switch with positions for 2 CHANNEL BRIDGED (CH1-2 IN) and 4CH STEREO. An arrow points to the 4CH STEREO position.

Annotations:

- Set FREQ to 50:** Points to the 50 Hz position on the CH1-2 frequency selector.
- Set FREQ to ~100:** Points to the 110 Hz position on the CH1-2 frequency selector.
- Gain set at 3:00 o'clock:** Points to the gain control on the CH1-2 section.
- Gain set at 4:00 o'clock:** Points to the gain control on the CH3-4 section.



Exceeding these gain settings will result in equipment damage!

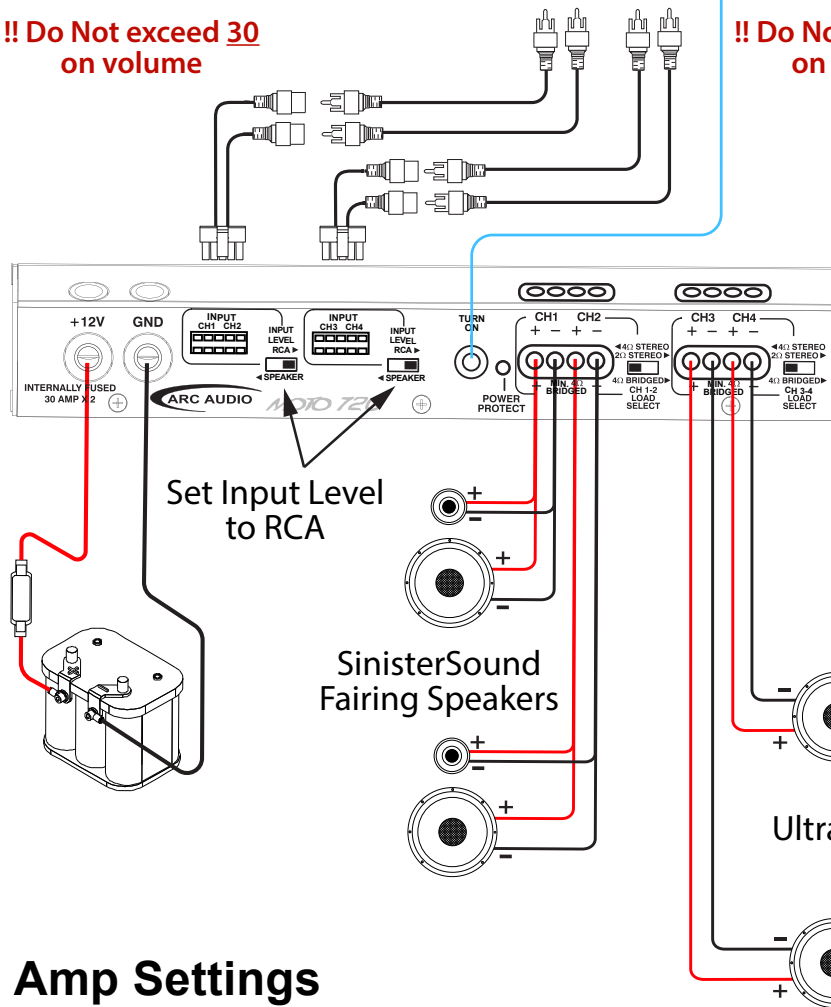
Exceeding the volume of 30 on the head unit will result in equipment damage!

MOTO720 KENWOOD/JVC - SINISTER FAIRING KIT + TOUR PACK 5.25'S

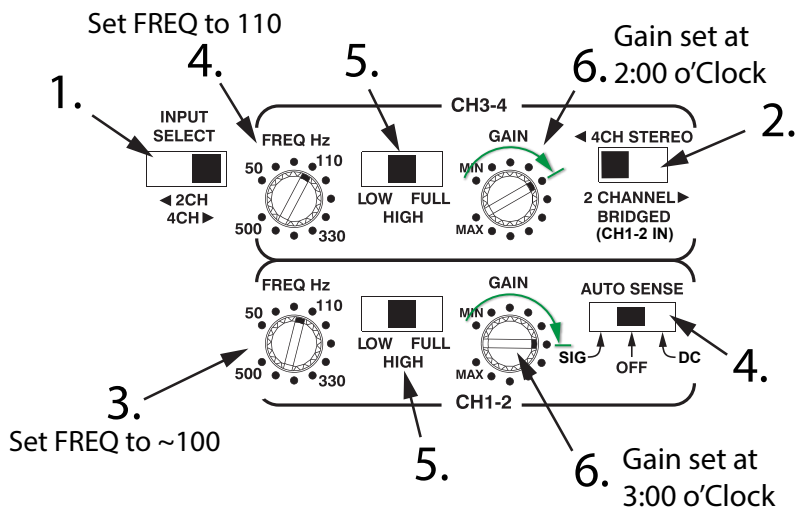


!! Do Not exceed 30 on volume

!! Do Not exceed 30 on volume



Amp Settings

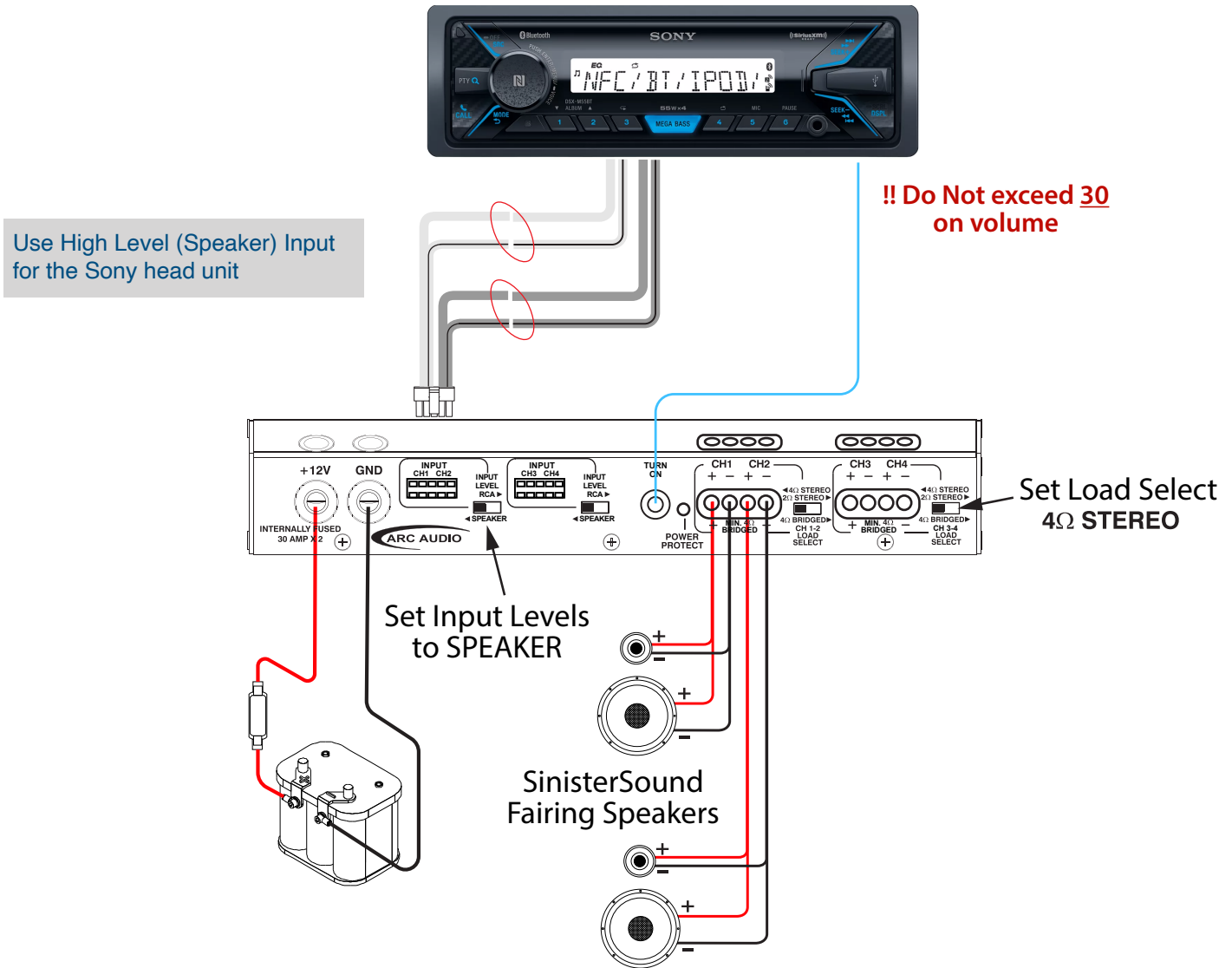


WARNING!

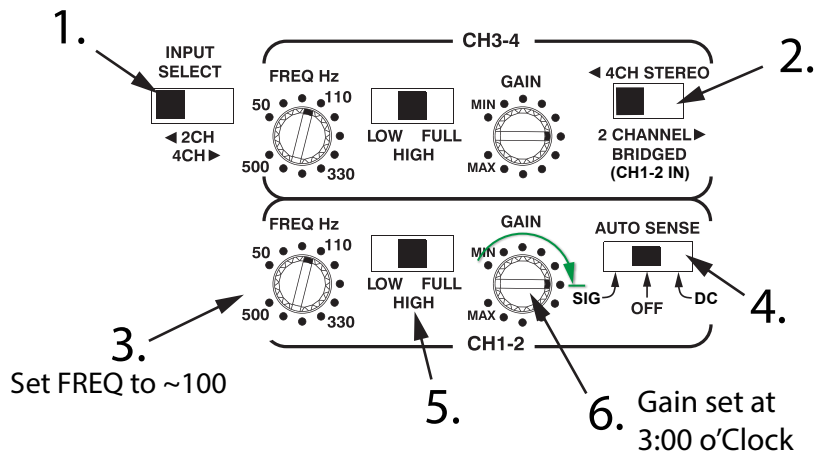
Exceeding these gain settings will result in equipment damage!

Exceeding the volume of 30 on the head unit will result in equipment damage!

MOTO720 SONY - SINISTER FAIRING KIT



Amp Settings



WARNING!

Exceeding these gain settings will result in equipment damage!

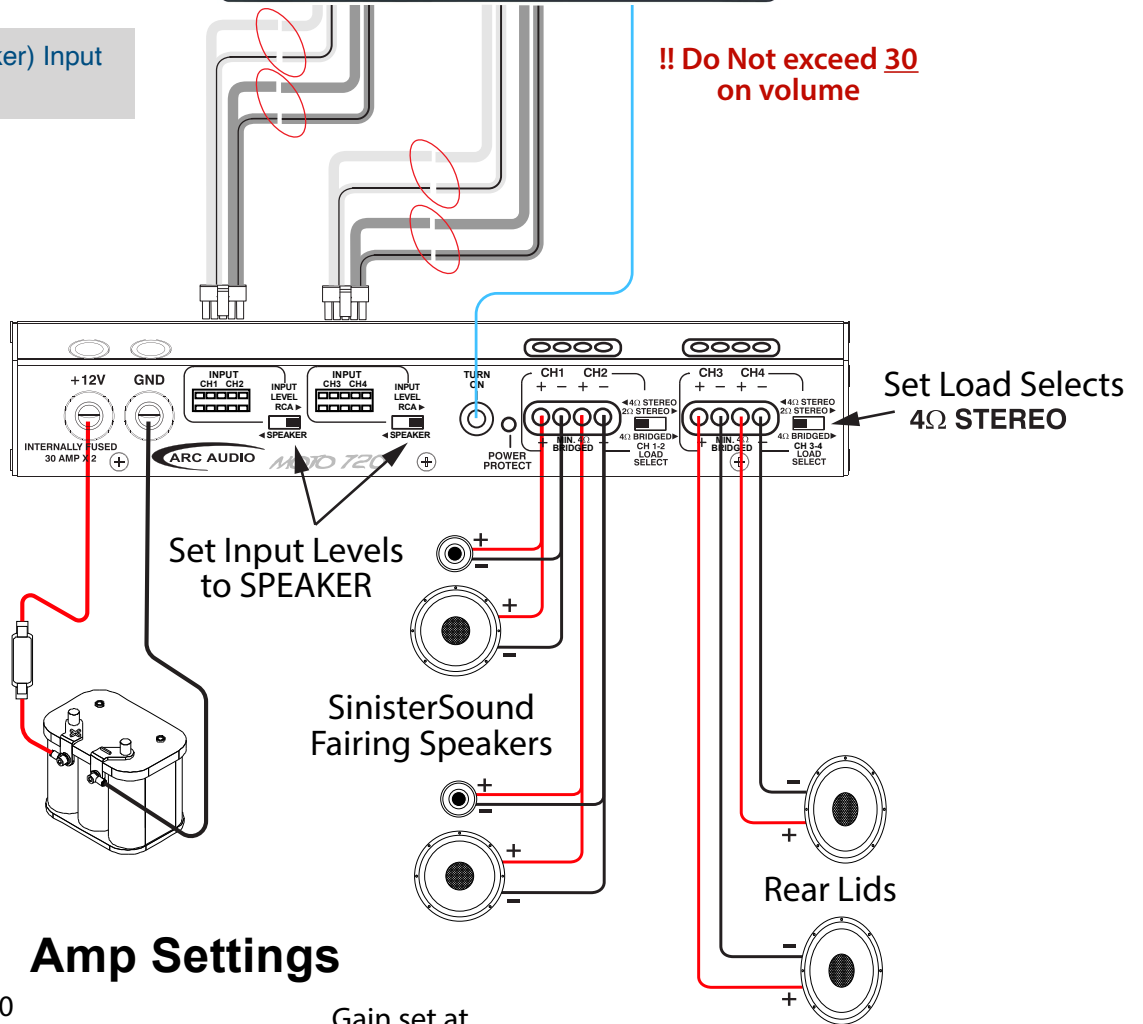
Exceeding the volume of 30 on the head unit will result in equipment damage!

MOTO720 SONY - SINISTER FAIRING KIT + LIDS

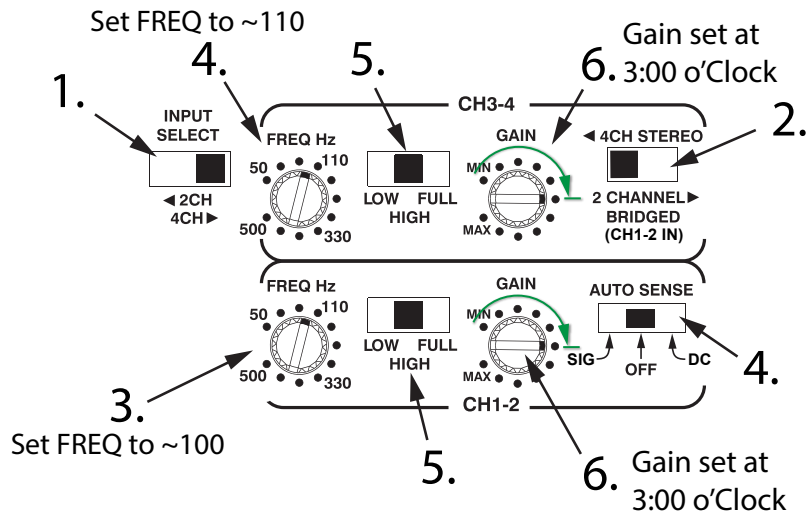


Use High Level (Speaker) Input for the Sony head unit

!! Do Not exceed 30 on volume



Amp Settings



WARNING!

Exceeding these gain settings will result in equipment damage!

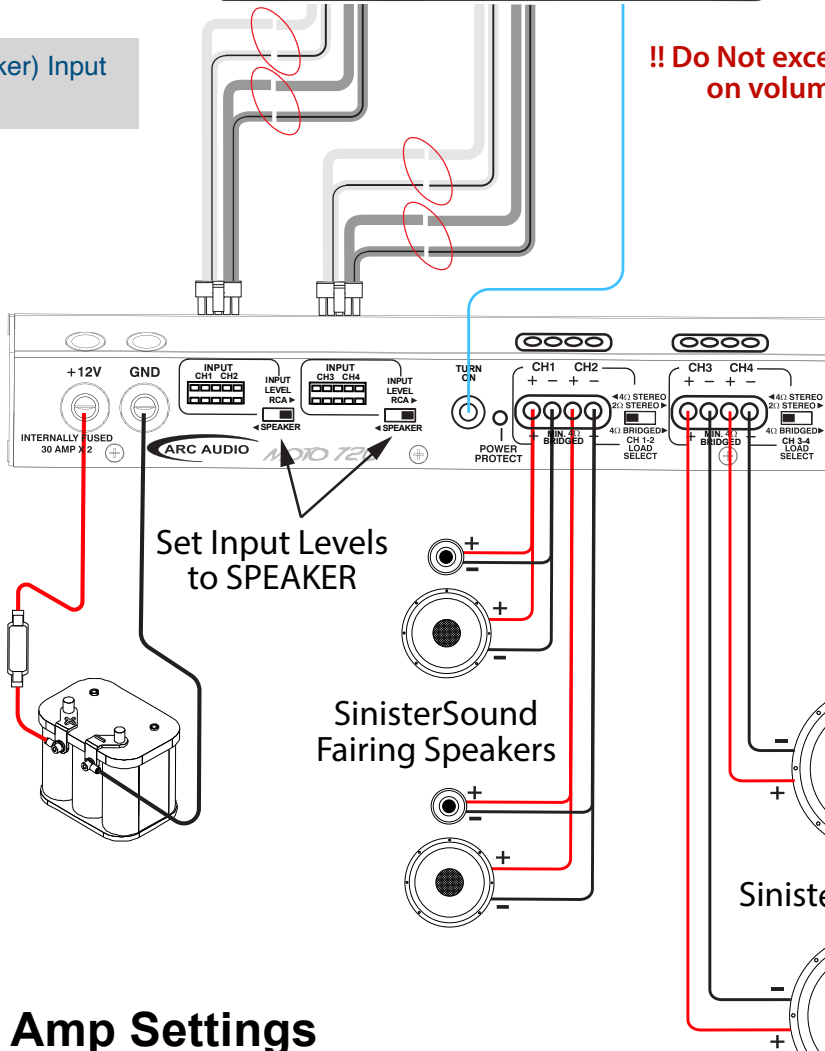
Exceeding the volume of 30 on the head unit will result in equipment damage!

MOTO720 SONY - SINISTER FAIRING KIT + CRAZY 8'S



Use High Level (Speaker) Input
for the Sony head unit

!! Do Not exceed 30
on volume



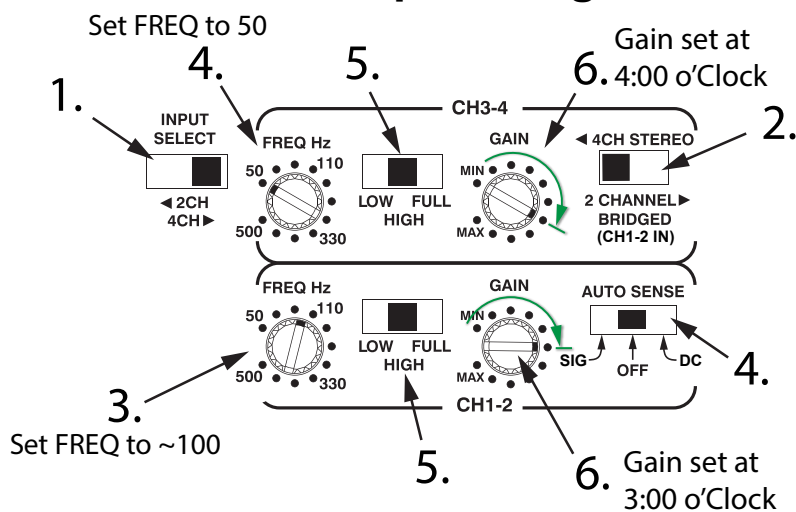
Set Load Selects
4Ω STEREO

Set Input Levels
to SPEAKER

SinisterSound
Fairing Speakers

SinisterSound Crazy 8's

Amp Settings



WARNING!

Exceeding these gain settings will
result in equipment damage!

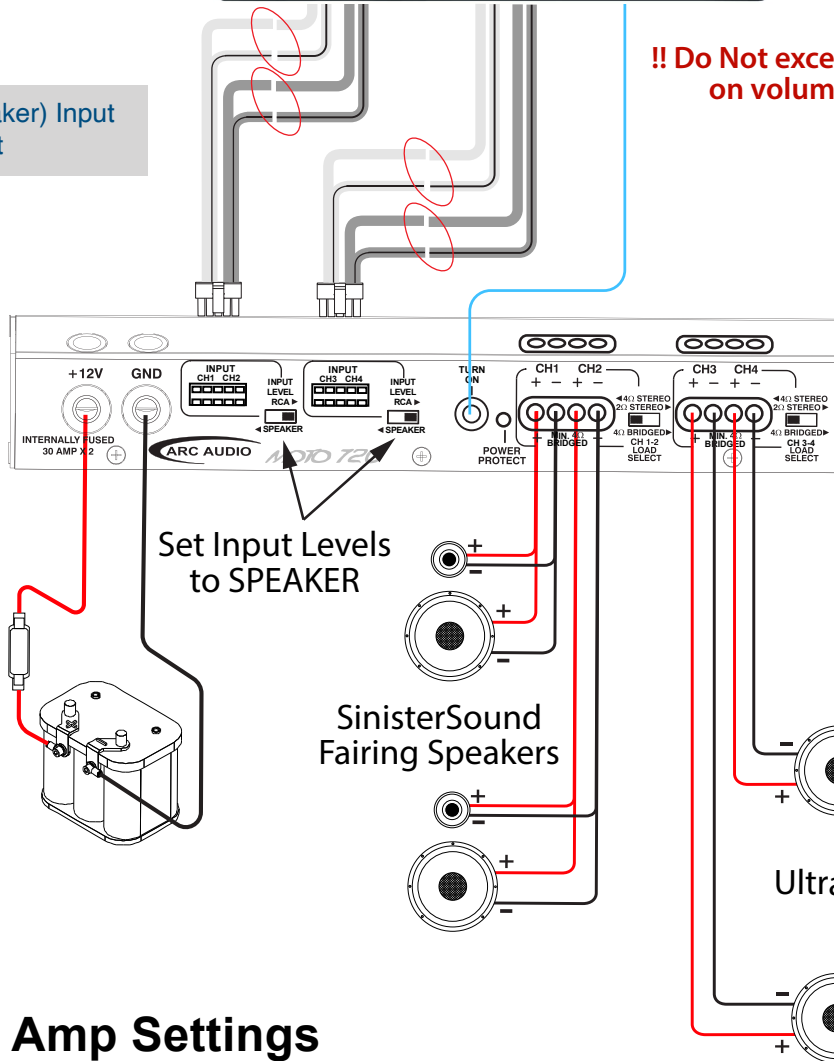
Exceeding the volume of 30 on the
head unit will result in equipment
damage!

MOTO720 SONY - SINISTER FAIRING KIT + TOUR PACK 5.25'S

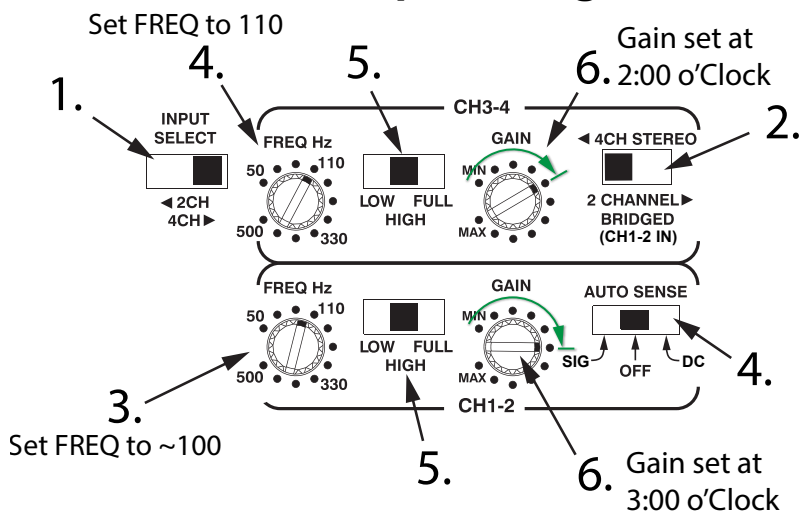


Use High Level (Speaker) Input for the Sony head unit

!! Do Not exceed 30 on volume



Amp Settings



WARNING!

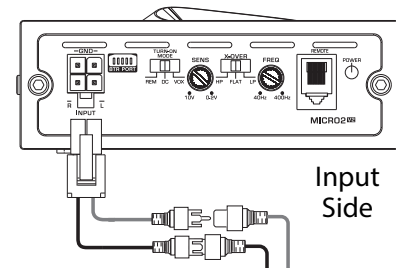
Exceeding these gain settings will result in equipment damage!

Exceeding the volume of 30 on the head unit will result in equipment damage!

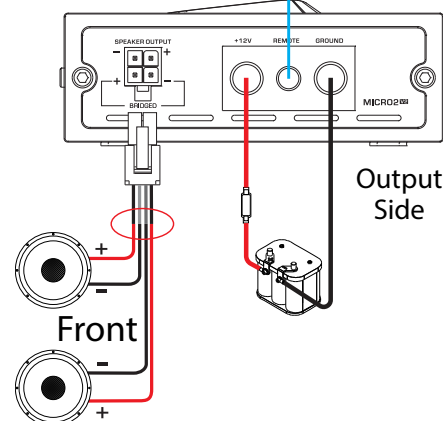
DIAMOND AUDIO AMPLIFIER WIRING AND SETTINGS

DIAMOND AUDIO MICRO 2V2

1. Remove the fuse from the SinisterSound power and ground cable.
2. Connect the SinisterSound power and ground cable to the amplifier and route towards the battery through the cable channel under the tank.
3. Connect the RCA harness to the amplifier Input port and the RCA's to the output ports of the head unit. Connect the remote turn on wire to the head unit wiring harness.
4. Connect the speaker pod wires to the CH1 and CH2 output harness and connect the harness to the amplifier.
5. Change the amplifier settings as shown in the table below.
6. Connect the power and ground cable to the battery
7. Insert the fuse on the power and ground cable.
8. Turn bike ignition switch to Accessory.
9. Choose a music source and play.
10. We recommend setting the head unit volume to 70% then slowly increase the gain (SENS) until you start to hear distortion. Then back the gain (SENS) off a few clicks.



Input Side



Output Side



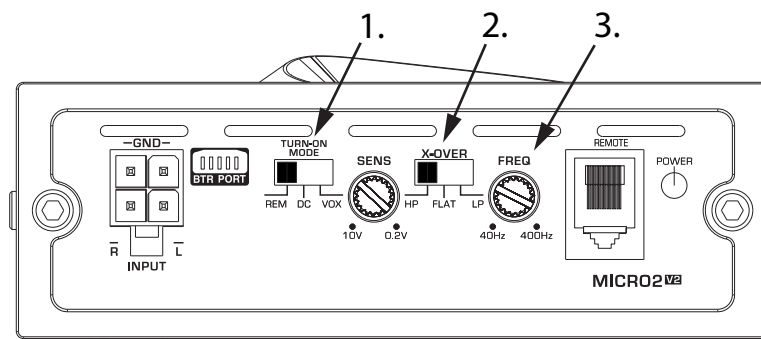
WARNING!

Setting the gains too high and exceeding 70% volume will result in equipment damage!

Please call the tech line 1-812-363-2071 with questions!

DIAMOND AUDIO 2V2 AMPLIFIER SETTINGS

DIAMOND AUDIO 2V2 INPUT SIDE



1. SET TURN-ON MODE TO REM
2. SET X-OVER TO HP
3. SET FREQ TO AROUND 100Hz (A COUPLE OF CLICKS CLOCKWISE FROM HORIZONTAL)

TESTING AND TUNING

1. Turn bike ignition switch to Accessory.
2. Choose a music source and play.
3. Check that grip controls are functioning properly.
4. Adjust the head unit equalizer per [Equalizer Settings Section](#).
5. Once you are satisfied that everything is functioning properly, move on to the [Finishing the Installation](#) section.

EQUALIZER SETTINGS

KENWOOD/JVC EQUALIZER SETTINGS

62.5Hz:	0	1 KHz:	-1
100Hz:	+2	1.6KHz:	-2
160Hz:	+2	2.5KHz:	-2
250Hz:	+1	4.0KHz:	-2
400Hz:	0	6.3KHz:	-2
630Hz:	0	10KHz:	-2

NOTE: The EQ settings on the Kenwood and JVC models have to be set for each source you plan to use (USB, BT, Tuner, etc.)

SONY EQUALIZER SETTINGS

BAND 1 (LOW):	+1
BAND 2 (MID-LOW):	+2
BAND 3 (MID):	0
BAND 4 (MID HIGH):	-2
BAND 5 (HIGH):	-1

AQUATIC AV (ALL HEAD UNITS) EQUALIZER SETTINGS

BASS:	0
MID:	+1
TREBLE:	-3

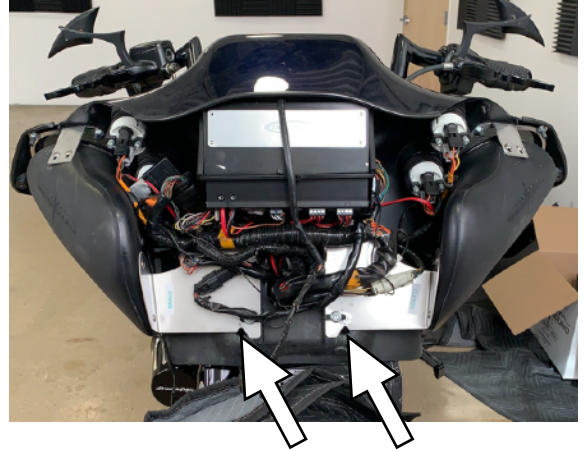
ROCKFORD EQUALIZER SETTINGS

80Hz:	+3
250Hz:	+3
500Hz:	0
1 KHz:	-3
2KHz:	-3
4KHz:	-2
10KHz:	0

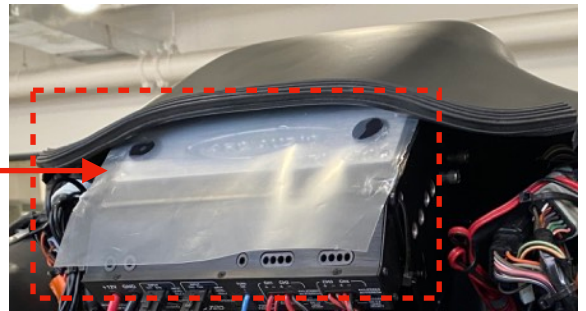
FINISHING THE INSTALLATION

1

After all audio equipment is installed, move all wires out of the way. Make sure hooks that hold the fairing near the headlight and pins on the bottom are clear.



! Install the water shield over the amp!



2

Replace outer fairing. **! BE CAREFUL ! This model Road Glide does not have brass inserts. The screw holes are easily stripped!**

3

Replace the Seat if previously removed.

4

Enjoy your new system!

