



# HEAVY DUTY

## JAHD440BT Waterproof Heavy Duty 4-Channel Audio Amplifier

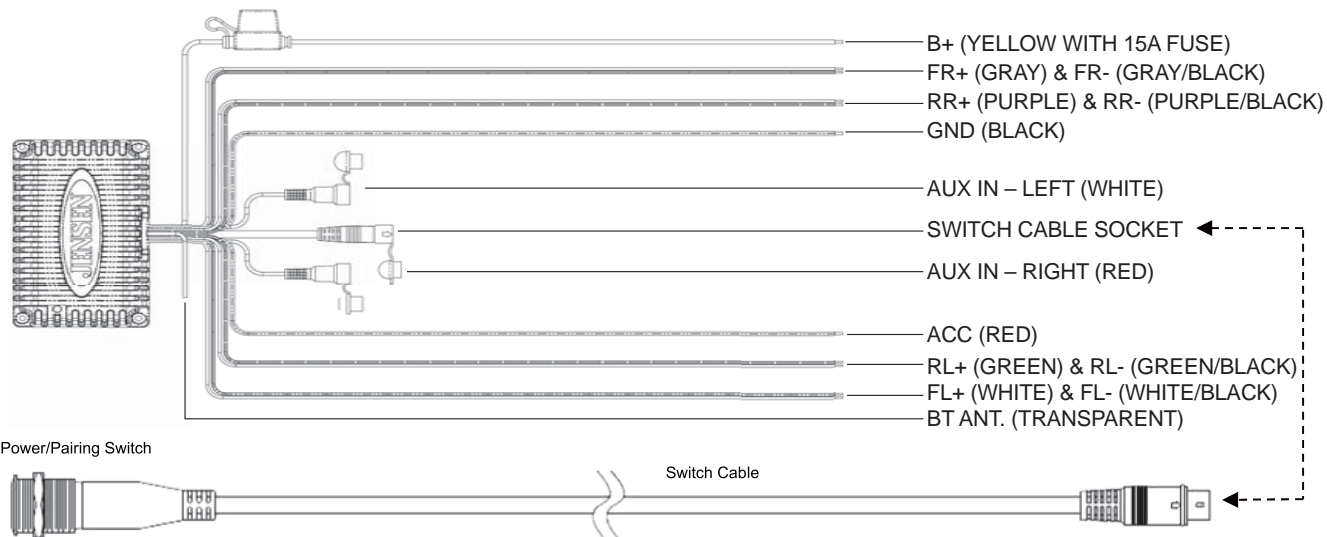
Configurable for Bluetooth or Aux Operation

### Features

- Bluetooth Audio (A2DP)
- RCA Audio Input Connectors
- 4 x 40 Watt Max Power Rating
- 4 x 20 Watt RMS
- 4 Ω – 8 Ω (ohm) Stable
- Input Sensitivity: 600mV
- Frequency Response: 20 Hz – 20 kHz
- Epoxy Potted Enclosure
- 15 Amp Fuse in Waterproof Holder
- Waterproof to IPx6
- Corrosion Resistant to ASTM B117

### Wiring

Black	Ground
Yellow	+12V Battery
Red	12V ACC (Remote for Aux)
Gray	Right Front Speaker +
Gray / Black	Right Front Speaker –
White	Left Front Speaker +
White / Black	Left Front Speaker –
Purple	Right Rear Speaker +
Purple / Black	Right Rear Speaker –
Green	Left Rear Speaker +
Green / Black	Left Rear Speaker –



### Installation

1. Choose a smooth, flat, sturdy location that will allow the JAHD440BT amplifier to be mounted securely and allow enough room to run the connection wires.
2. Mount amplifier using #8 stainless steel screws (*not included*)
3. Route and connect power, ground, and speaker wires

#### Bluetooth Amplifier Configuration

1. To configure as Bluetooth amplifier, connect the 'power/pairing switch' into the amplifier 'switch cable socket'
2. Drill 5/8" hole in desired location, install switch and route cable from desired location to the amplifier
3. Connected Red 12V ACC to switched power
4. Apply the waterproof caps to the RCA inputs

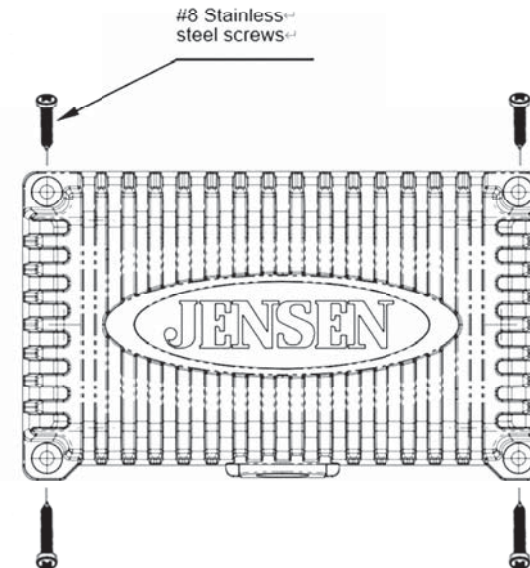
#### AUX Amplifier Configuration (for external source unit)

1. Do not install the 'power/pairing switch'. Apply the waterproof cap to the 'switch cable socket'.
2. Connect Left and Right RCAs to source unit line output
3. Connected the red wire to amplifier remote turn on of source unit

#### Important:

Do not mount unit where it can be submerged

Do not mount near engine or areas exposed to excessive heat



## Specifications

Power System	12V DC
Operating Voltage Range	10V to 16V
Current Draw @ 12V	1 mA (Standby)
	5.0 A (Nominal)
	10.0 A (Maximum)
Operating Temperature Range	-30° C to 45° C
Storage Temperature Range	-40° C to 85° C
Maximum Relative Humidity	100%
Product Weight (unpacked)	1.0 lbs.
Output Power RMS	4 x 20 Watts
Output Power Maximum	4 x 40 Watts
Total Harmonic Distortion	0.5%

"WARNING: To Reduce The Risk Of Fire Or Electric Shock, Do Not Expose This Apparatus To Rain Or Moisture"

The device shall not be exposed to dripping or splashing.

Do not place any sources of danger on the device (e.g. liquid filled objects, lighted candles).

- 1) Read these instructions.; 2) Keep these instructions. 3 ) Heed all warnings.
- 4) Follow all instructions; 5) Do not use this apparatus near water; 6) Clean only with dry cloth.
- 7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11) Only use attachments/accessories specified by the manufacturer.
- 12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- 13) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

## Bluetooth Operation (only when amplifier is configured as Bluetooth amplifier at installation)

Press the switch to power on JAHD440BT, press again to power off.

The JAHD440BT will automatically try to connect to the last paired Bluetooth device.

- When connected, the blue LED light will remain steady
- When not connected the blue LED light will flash slowly, see next section to connect a device

## Pairing a Bluetooth Device

*Press and Hold* the switch for about 3 seconds to place the JAHD440BT in pairing mode. The JAHD440BT will remain in pairing mode for two minutes, and the blue LED will flash quickly. With a Bluetooth enabled mobile device search for, and connect to the amplifier identifying as "JAHD440BT" to complete the pairing.

After connecting successfully, you are able to listen to audio from your Bluetooth enabled device.

### WARNING

*Adjust Bluetooth enabled device volume to lowest level before connecting to prevent possible speaker or hearing damage.*

## Bluetooth Audio Playback

All playback and volume options are controlled by the Bluetooth enabled device.

## Bluetooth Range

Bluetooth is a short-range wireless radio protocol and operates at 2.4 GHz with an effective range of approximately 10 meters (30 feet).

If a Bluetooth connected device goes out of range for more than two minutes the JAHD440BT will disconnect and the blue LED will flash slowly. User intervention on the Bluetooth enabled device may be required to reconnect.

For copy of the owner's manual visit <https://www.asaelectronics.com/support/>

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
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- Increase the separation between the equipment and receiver.

#### RF Exposure Statement

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance of 20cm from the radiator to your body. This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

