IQUE BBA2 User Manual

Balboa Bluetooth Audio bba™2

BALBOA
water group

bba™2 New/Redesigned Features

The following features are compatible with the spaTouch1 topside panel, GUI: "Icon," software version 3.36 or above, as well as the spaTouch 2.

Song and metadata display:
- ·Artist
- · Song
- ·Song length and elapsed time

Audio EQ (equalizer) modes:
- ·Jazz, Rock, Hall, etc.

USB input

Enhanced bass

Redesigned Module

New Bluetooth Radio
- · BT3.0-HS/BT4.0 EDR
- · Range: up to 100 feet in open air.
  Ranges vary as they are dependant on installations.

New plastic enclosure
- · IPx5 waterproof

Tech Specs

Speaker impedance
- ·2-8 ohms

Output power
- · (2 ohm load) 4x55W (80W max)
- ·(4 ohm load) 4x30W (50W max)

Operating voltage
- · 10.5V-15V DC

Max current draw at full power out
- ·9-15 amps

Dimensions
- · 8"wide X 3" high X 4.3" deep
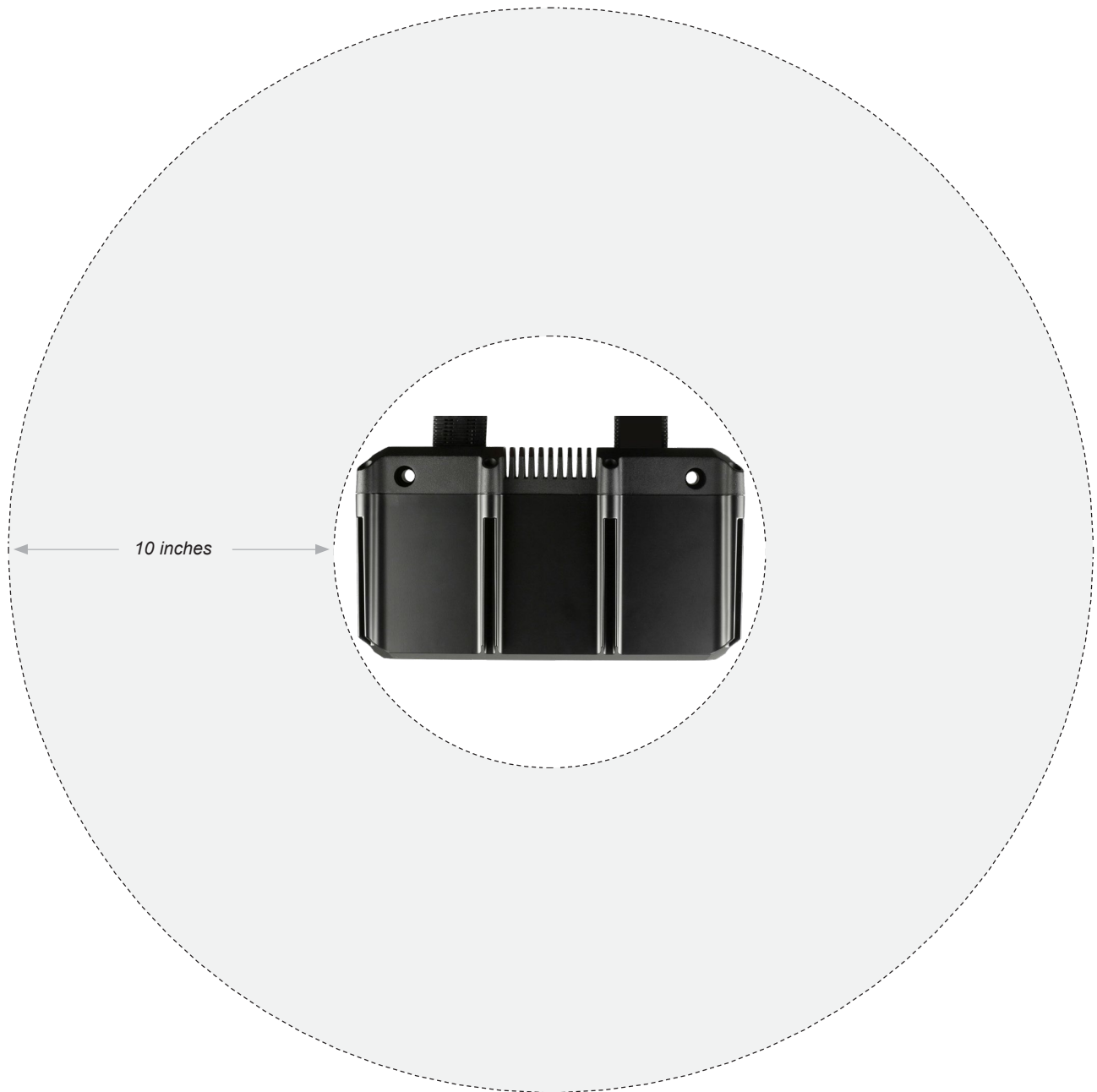- · (20.32 cm X 7.62 cm X 10.92 cm)

Weight
- · 2.0 lbs. (0.9 Kg)

4 channel Amp
- · Sub woofer from the rear 2 channels

bba™2 Mounting Instructions

6 - Leave a 10 inch gap between the bba2 amplifier and other spa components to help heat management.

10 inches

bba™2 Amp Connections

Power Wire Specifications

Red wire and blue wire - connect these two wires to a +12V power supply.
Black wire - Connect it to the negative or other good power ground.

Notes

Use the included plug/wire bundle to connect to the power source and speakers.
The red, blue and black power wires should be 16AWG or larger depending on the length to the power supply. Never operate the unit without the proper power and ground wire. Never ground the speaker leads and never allow the speaker leads to come in contact with each other. The speaker wire should be at least 20 gauge or larger. Be sure to observe the correct polarity on the speaker connections.

Use quality crimp connectors to connect wires together. Seal the connection well with electrical tape.

Never operate the unit without proper fusing. The fuse holder must be located within 2 feet of the power supply. This fuse is to protect the vessel, not the electronics.
In case of a short, the fuse will blow instead of the wire burning up. Using other than the recommended fuse rating at the power supply and at the unit may cause damage to the unit and will void your warranty.

Whenever possible, use cable ties, mounting clamps and similar wiring aids. Adding stress relief loop to wiring is also advisable to prevent straining or breakage.

If after reading the directions you feel uncomfortable about installing the unit, or not equipped or competent to do so, you should have this installed by a professional installer.

Connect the white and grey loudspeaker wires to 1 or 2 pairs of loudspeakers. Pay close attention to polarity (black stripe = negative)

Connect the green and purple loudspeaker wires to 1 or 2 pairs of loudspeakers or to a sub woofer.
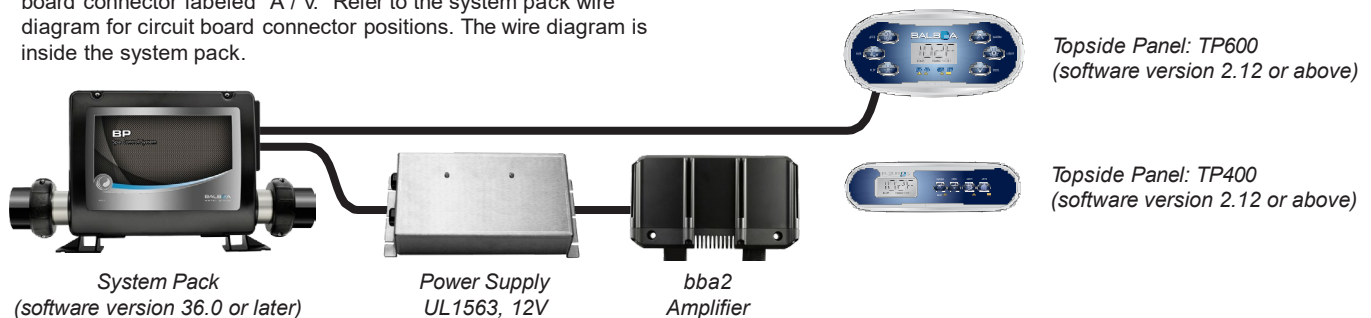
Topside Panel Interface

(Topside panels: TP600, TP400)

Spa Equipment

The system pack and all electronic components connected to the system pack are referred to as "**system**" in this manual.

The power supply connects to the system pack at the circuit board connector labeled "A / V." Refer to the system pack wire diagram for circuit board connector positions. The wire diagram is inside the system pack.

Topside Panel Options

Topside Panel: TP600
(software version 2.12 or above)

Topside Panel: TP400
(software version 2.12 or above)

System Pack
(software version 36.0 or later)

Power Supply
UL1563, 12V

bba2
Amplifier

Determine Software Version

(Topside panels: TP600, TP400)

1 - Start at the home screen.

2 - Press Temp (or Warm or Cool) to begin navigation. The temperature will begin flashing in the LCD display.

3 - Press Light until this screen appears. "UTIL" is an abbreviation for "Utilities."

4 - Press Temp until this screen appears. "INFO" is an abbreviation for "Information."

102°F	102°F	UTIL	INFO
READY RANGE▲ FLTR1	READY RANGE▲ FLTR1	READY RANGE▲ FLTR1	READY RANGE▲ FLTR1

5 - Press Light until this screen appears. "PANL" is an abbreviation for "PANEL."

6 - Press Temp to view the software version.

PANL	V2.12
READY RANGE▲ FLTR1	READY RANGE▲ FLTR1

Turn on/off bba™2

(Topside Panels: TP600, TP400)

1 - Start at the home screen.

2 - Press Temp (or Warm or Cool) to begin navigation. The temperature will begin flashing in the LCD display.

3 - Press Light until this screen appears. "BT" is an abbreviation for "Bluetooth."

4 - Press Temp to turn ON/OFF bba2. The Home screen appears, when Temp is pressed. No visual cue indicates if bba2 is ON/OFF. Play music on a smart device to determine if bba2 is ON/OFF.
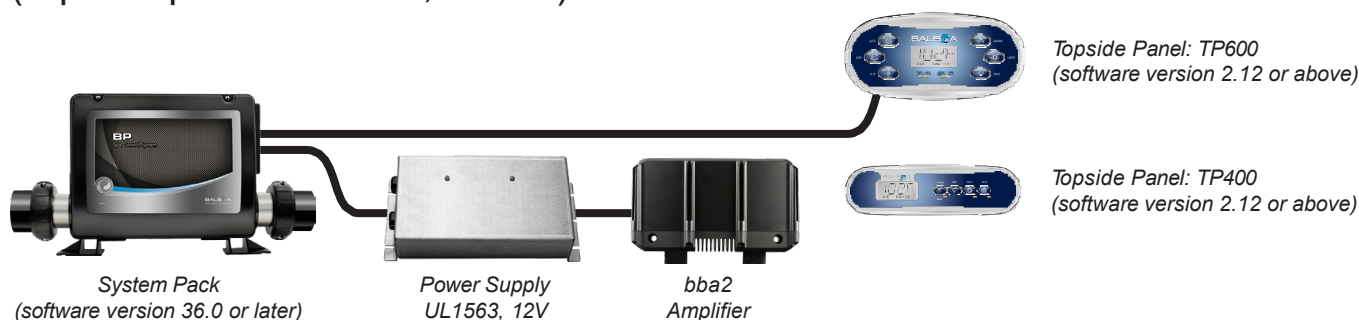
102°F	102°F	BT	102°F
READY RANGE▲ FLTR 1	READY RANGE▲ FLTR 1	READY RANGE▲ FLTR 1	READY RANGE▲ FLTR 1

Note: bba2 is always at maximum volume when used with TP600 and TP400 topside panels. Reduce volume on the smart device before powering ON bba2.

Bluetooth Connection

(Topside panels: TP600, TP400)

Topside Panel Options

Topside Panel: TP600 (software version 2.12 or above)

Topside Panel: TP400 (software version 2.12 or above)

System Pack (software version 36.0 or later)

Power Supply UL1563, 12V

bba2 Amplifier

1 - Power up the system pack with bba2 already connected to the system pack.

2 - Power ON bba2 (view section above).

3 - Turn on Bluetooth function of your smart device or music device.

4 - On your smart device or music device, click search for Bluetooth device. Make sure you are close enough to the bba2 amplifier.

5 - Select "PPME70BT" from the pairing list.

6 - Click "Connect." Once connected, you can now play your favorite music from your smart device or music device.

Troubleshooting

Problem: Song title appears only sometimes or never.

Solution: A few music player apps never send song title and other info over Bluetooth, so try another app. Also, some music player apps don't send song title if playing automatically in the background, only if the app is "visibly running" on the device, so try "opening" the app which is playing in the background.

Problem: An extension cable is needed to install bba2.

Solution: The following extension cables provide flexibility in bba2 placement.

Optional Extension Cables		
Material Number	**Description**	**Length**
25662-3	CABLE EXTENSION TP PANELS	100 FT
25662-2	CABLE EXTENSION TP PANELS	50 FT
25662-1	CABLE EXTENSION TP PANELS	25 FT
25662	CABLE EXTENSION TP PANELS	7 FT

Extension Cable