

# bullant



MODEL NUMBER: ABA840

## DIGITAL AM / FM STEREO HEADPHONE RADIO WITH BLUETOOTH & AUX-IN JACK



1. Antenna
2. Down Button
3. Up Button
4. LCD
5. Mode Button
6. Bluetooth/Band Selector
7. Auxiliary Jack
8. Volume On/Off Knob
9. Microphone
10. Micro USB Recharge Port

When the headset is turned on, all settings are resumed to the last (previous) settings.

For Australian users, 9 kHz is recommended.

To select 9 or 10 kHz for AM, the procedure is as shown here below:

- Keep unit in OFF position.
- During time setting mode, press BT/Band button (6) for 2 seconds.
- 9 kHz will be shown on the display.
- Press Down (2) or Up (3) button to select 10 kHz.
- After selection, press BT/Band (6) button to confirm the setting

## Insert Battery

- Turn off the headset. Open the battery door, insert 3 “AAA” sized batteries. Close the battery door.
- Rechargeable Lithium Batteries are also available. Bullant part number (ABABATT), ask instore for details. Charging time is 4 hours (approx).



## Time Setting

- Turn off the headset by turning the volume knob in anti clockwise direction. Press Down (2) or Up (3) button to select 12 or 24-hours mode.
- Turn off the headset by turning the volume knob in anti clockwise direction. Press Mode (5) button. When time is flashing, press Down (2) or Up (3) button to adjust the hour, then press Mode (5) to confirm. Then adjust minutes, apply same procedure as above, then press Mode (5) button to confirm the setting.

## Radio Mode

- Turn on the headset by tuning the Power ON/OFF (8) Knob (which combines with Volume Control) in clockwise direction.
- Tap quickly the BT/Band (6) button to toggle between FM/AM/BT Setting. Set to AM or FM to listen to radio.
- Manual search: Press Down (2) or Up (3) buttons step by step until it reaches your desired station.
- Auto Scan: Press Down (2) or Up (3) button for 2 seconds, then release the button when seeking starts. Auto scan will stop on clear radio stations.
- Preset Station: 10 preset stations in AM band and FM band. Total is 20 preset stations. Hold Mode (5) button, then release the button when M and the preset station number are flashing. Press Down (2) or Up (3) button to save the station to your desired position. Press Mode (5) button to confirm your setting.
- Listen to the preset status by pressing the Mode (5) button once to select preset stations M[1] to M[10].

## BT Mode

- Turn on the Bluetooth function on your mobile phone or any other external Bluetooth devices.
- Tap the BT/Band (6) button to toggle between FM/AM/BT Setting. Select Bluetooth (□□□□) to activate the function.

- In your Bluetooth device, seek ABA840 and pair. After paired, “- on -” is shown on the LCD.
- To disable Bluetooth function, press and hold the BT/Band (6) button for 2 seconds. OFF will be shown on the display.
- Press Mode (5) to play/pause the music or answer the call. Tap Down (2) or Up (3) button to forward/rewind the songs. To reject the call, tap BT/Band (6) button.
- Hold BT/Band (6) button for 2 seconds, breaks the current BT connection (this function is disabled during phone call).
- After paired, user still receives and answers call while in Radio and Aux-in mode.

#### BT + Radio

- After paired the Bluetooth device, tap the BT/Band (6) button to select AM or FM.
- When there is an incoming call, a telephone ring tone is heard. Press Mode (5) button to answer the call or BT/Band (6) to reject the call. After call ending, radio will be resumed automatically.

#### Auxiliary Jack Operation

- Using a  $\varnothing 3.5$  mm cable to connect the headset with external audio device.
- Aux in appears in the screen when it is plugged.

#### BT + Auxiliary Jack Operation

- Activate BT function to pair the headset and mobiles. Plug into the auxiliary jack by using a  $\varnothing 3.5$  mm cable to connect with the cell phone or other audio devices. When there is an incoming call, a telephone ring tone is heard. Press Mode (5) button to answer the call or BT/Band (6) button to reject the call.

#### **ADJUST THE FIT**

- Put on the ear muffs with the controls over your right ear.
- Brush hair from beneath the cushions with your hand as much as possible.
- With the headband over the crown of your head, position the muffs to completely enclose your ears. The muffs only provide hearing protection when worn with the headband over the crown of your head.
- Slide the muffs up or down to adjust for a firm, comfortable fit.
- Ensure the cushions seal tightly against your head with no interference from foreign objects between the ear cup and your head (such as pencils or eyeglass temple arms). Spread the ear cups only enough to clear the ears. Do not reform or reshape the headband.

**PLEASE NOTE**

For best performance, the ear-muffs should be used in accordance with these instructions.

It is important to wear the ear muffs at all times in noisy surroundings to avoid the risk of hearing damage.

The ear muffs are required to be inspected regularly to maintain serviceability.

**WARNING**

If the recommendations given above are not adhered to, the protection provided by the ear-muffs will be severely impaired.

**PLEASE NOTE**

The ear-muff provides audio signal sound pressure level limitation and limits the entertainment audio signal to 82 dB(A);

Radio reception quality may be slightly distorted depending on surroundings;

To prevent damage to the radio, do not use in a high-temperature or high-humidity environment for prolonged periods of time;

To prevent damage to the hearing protector and radio function, do not subject it to rough handling.;

This ear-muff is provided with an entertainment audio facility and electrical audio input. The wearer should check correct operation before used. If distortion or failure is detected, the wearer should refer to the manufacturer's advice;

The audibility of warning signals at specific workplace may be impaired while using the entertainment facility.

**WARNING**

Do not use this product for prolonged periods of time.

**PRECAUTIONS AND WARNINGS:**

- The radio reception may be distorted during moving.
- Interference and fault may happen when turn on the TV, fluorescent light or other electrical appliances.
- When the volume begins to fade, replace or recharge batteries.
- This model of ear muffs has satisfied the optional requirement between -20°C to +50 °C. Should not use the headset under a high temperature or high humidity environment as it may damage the receiver. Exposure to direct sunlight in places where may cause the case of the unit to warp or malfunction. The temperature should not exceed + 55°C.
- This product may be adversely affected by certain chemical substances. Simply wipe it with a soft cloth moistened with a mild soap or water. Do not dip into the water.

- Remove the batteries from the unit to prevent battery leakage when not in use for extended periods.
- Failure to follow these instructions may result in personal injury and/or damage to the equipment.
- If the recommendation given in Fitting Instruction is not adhered to, the protection afforded by the ear-muffs will be severely impaired.

**WARNINGS: When Using Lithium rechargeable battery**

- Don't use or leave the battery near a heat source such as fire or a heater.
- Don't strike or throw the battery against any hard surface.
- Don't immerse the battery in water, and store the battery in a cool dry place.
- When recharging only use the battery charger intended for that purpose.
- Don't overcharge the battery.
- Don't directly solder the battery or pierce with a nail or other sharp object.
- Never leave charging battery unattended.

**TROUBLESHOOTING**

If the radio stops working:

1. Check for correct battery installation.
2. Ensure the hearing protector is dry.
3. Install new batteries.

**TECHNICAL DATA**

Weight	Approx. 386 g without batteries
Operating temperature	Between 50 °C to 0 °C
Power Supply	DC 3.6 - 4.5V (3 x AAA sized battery)
Frequency Range Radio	AM 522 □ 1629 kHz; FM 88 □ 108 MHz
Sound Volume	Max. 82 dB(A)
Material in Ear Cushion	Sponge
Material in Headband Cushion	PU & Foam
Material in Headband Frame	Metal
Size Range of the Headband	S, M and L

## ATTENUATION TABLE

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
MF (dB)	17.5	15.2	20.8	26.0	34.0	31.4	35.3	33.6
SHF (dB)	4.8	4.0	2.6	3.0	3.4	3.5	3.4	6.1
APV (dB)	13.3	11.5	18.0	23.3	30.5	26.8	314.9	28.0

SNR = 28 dB

H-value = 29 dB

M-value = 26 dB

L-value = 19 dB

### AM/FM RADIO

Sound Pressure Mean (dB) : 73.2

Standard Deviation (dB): 0.8

Mean + Standard: 74.0

### AUDIO INPUT

75 dB(A) at -24 dBm (49mV) input voltage

### NOTES

This product may be adversely affected by certain chemical substances. Further information should be sought from the manufacturer or authorized representative;

The fitting of hygiene covers to the cushions may be affected the acoustic performance of the ear-muffs;

Do not tear the cushion off from headset as the cushion is non-replaceable.

### Technical Assistance

If you need assistance setting up or using your Bullant product now or in the future, call Bullant Support.

TDJ Australia

TEL: 03 – 8587 8898

FAX: 03 – 8587 8866

Mon-Fri 9am – 5pm AEST.



Please retain this user guide for future reference.