

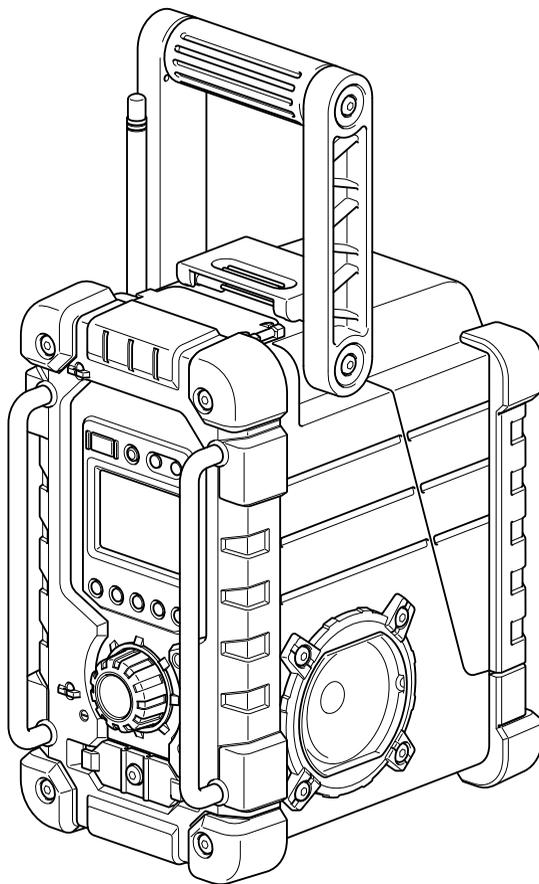
INSTRUCTION MANUAL



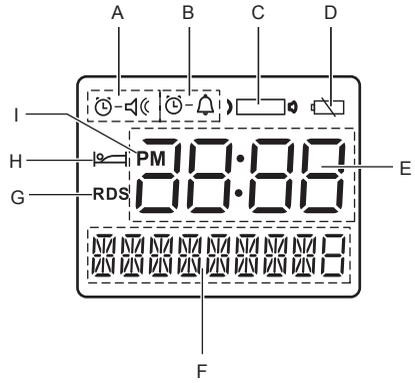
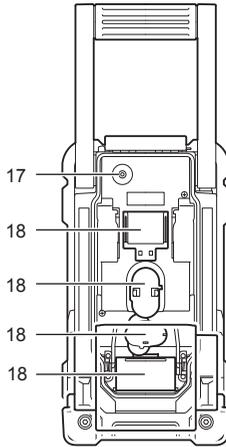
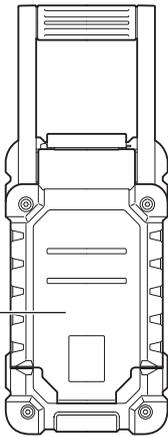
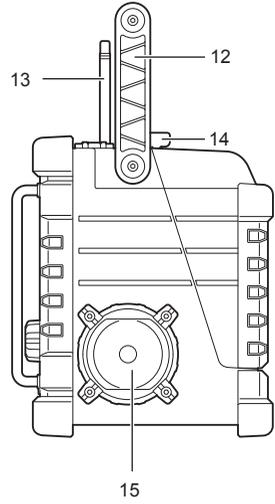
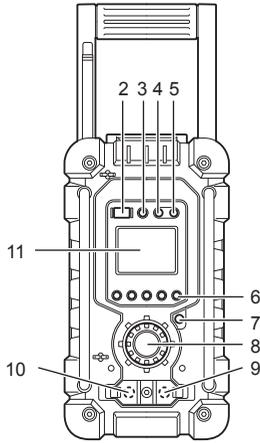
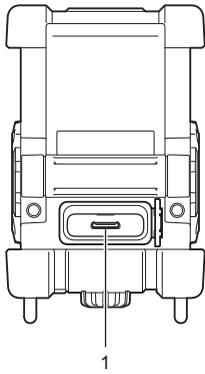
Made for
 iPod  iPhone

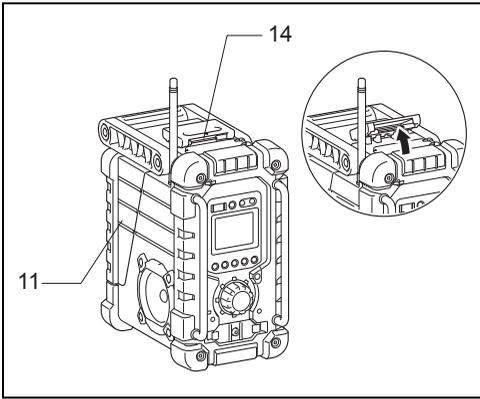
Radio

BMR103

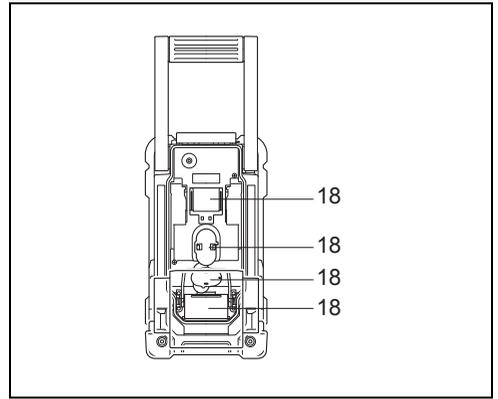


WARNING:
For your personal safety, READ and UNDERSTAND before using.
SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE.

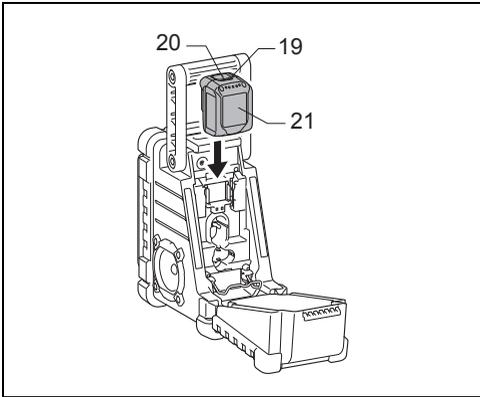




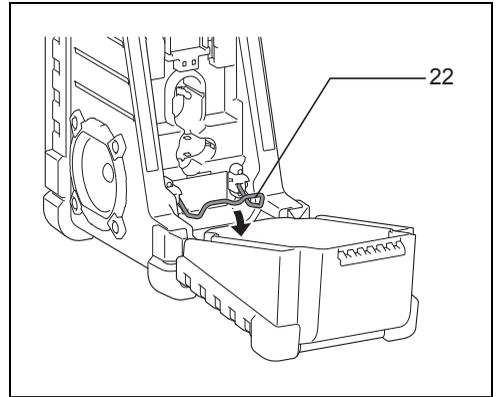
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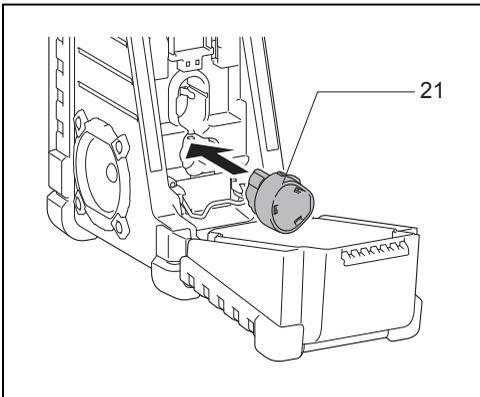
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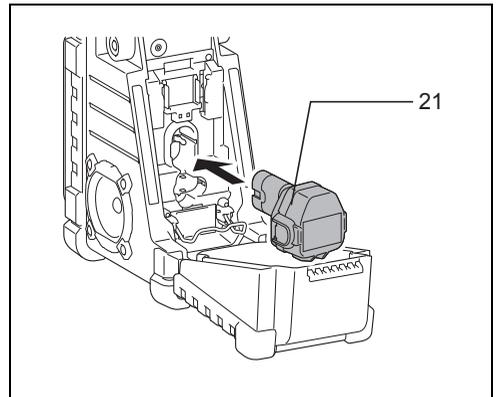
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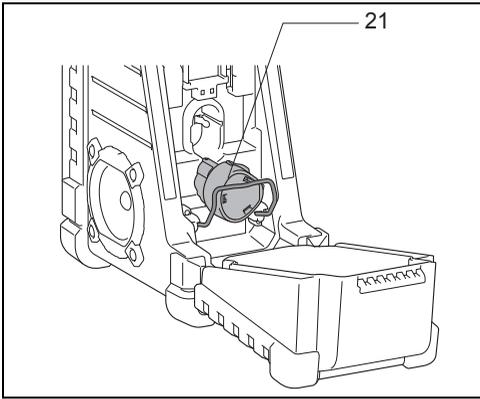
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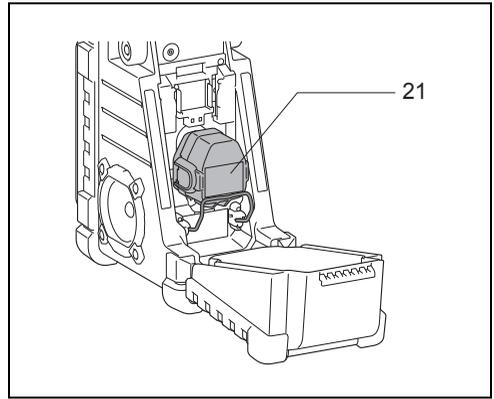
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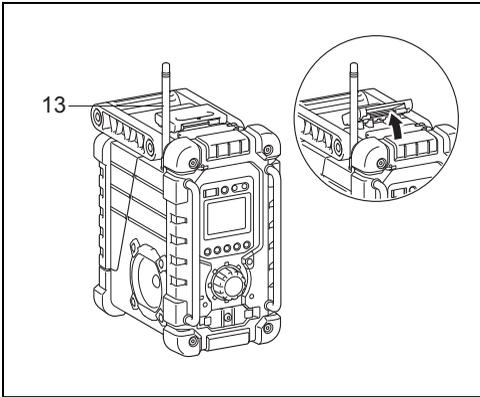
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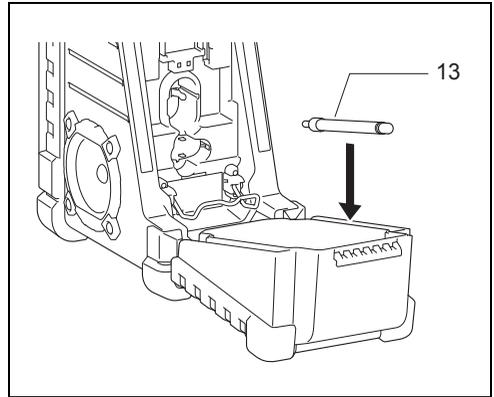
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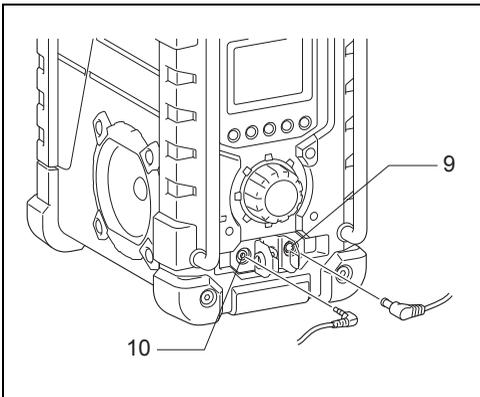
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11



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ENGLISH (Original instructions)

Symbols

The following show the symbols used for the equipment. Be sure that you understand their meaning before use.



Read instruction manual.



Only for EU countries

Do not dispose of electric equipment or battery pack together with household waste material!



In observance of European Directive 2002/96/EC on waste electric and electronic equipment, 2006/66/EC on batteries and accumulators and waste batteries and accumulators and their implementation in accordance with national laws, electric equipment and battery pack that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility.

Explanation of general view

Controls:

1. iPod/iPhone docking
2. Power/Sleep timer
3. Source button
4. Radio alarm
5. Buzzer alarm
6. Preset stations/Playback buttons
7. Menu/Info button
8. Volume/Tuning control/Select knob
9. DC IN socket
10. AUX IN 1
11. LCD display
12. Handle
13. Soft bended rod antenna
14. Battery compartment locker
15. Speaker
16. Battery compartment (covering main battery pack and back up batteries)
17. Input terminal (AUX IN 2)
18. Battery compartment (covering main battery pack and back up batteries)
19. Red indication
20. Button
21. Battery cartridge
22. Supporting bar

LCD display:

- A. Radio alarm
- B. Buzzer alarm
- C. Stereo symbol
- D. Low battery indicator
- E. Clock
- F. Frequency
- G. RDS (Radio data system)
- H. Sleep status
- I. AM/PM for clock

IMPORTANT SAFETY INSTRUCTIONS

⚠ WARNING:

When using electric tools, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and personal injury, including the following:

1. Read this instruction manual and the charger instruction manual carefully before use.
2. Clean only with dry cloth.
3. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
4. Only use attachments/accessories specified by the manufacturer.
5. Unplug this apparatus during lightning storms or when unused for long periods of time.
6. A battery operated radio with integral batteries or a separate battery pack must be recharged only with the specified charger for the battery. A charger that may be suitable for one type of battery may create a risk of fire when used with another battery.
7. Use battery operated radio only with specifically designated battery packs. Use of any other batteries may create a risk of fire.
8. When battery pack is not in use, keep it away from other metal objects like: paper clips, coins, keys, nails, screws, or other small metal objects that can make a connection from one terminal to another. Shorting the battery terminals together may cause sparks, burns, or a fire.
9. Avoid body contact with grounded surfaces such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is grounded.
10. Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.
11. The MAINS plug is used as the disconnect device, and it shall remain readily operable.

SPECIFIC SAFETY RULES

SAVE THESE INSTRUCTIONS

FOR BATTERY CARTRIDGE

1. Before using battery cartridge, read all instructions and cautionary markings on (1) battery charger, (2) battery, and (3) product using battery.
2. Do not disassemble battery cartridge.
3. If operating time has become excessively shorter, stop operating immediately. It may result in a risk of overheating, possible burns and even an explosion.
4. If electrolyte gets into your eyes, rinse them out with clear water and seek medical attention right away. It may result in loss of your eyesight.

5. Do not short the battery cartridge:
 - (1) Do not touch the terminals with any conductive material.
 - (2) Avoid storing battery cartridge in a container with other metal objects such as nails, coins, etc.
 - (3) Do not expose battery cartridge to water or rain. A battery short can cause a large current flow, overheating, possible burns and even a breakdown.
6. Do not store the tool and battery cartridge in locations where the temperature may reach or exceed 50°C (122°F).
7. Do not incinerate the battery cartridge even if it is severely damaged or is completely worn out. The battery cartridge can explode in a fire.
8. Be careful not to drop or strike battery.
9. Do not use a damaged battery.



iPhone, iPod, iPod classic, iPod shuffle, and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries.

“Made for iPod” and “Made for iPhone” mean that an electronic accessory has been designed to connect specifically to iPod or iPhone, respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPod or iPhone may affect wireless performance.

Battery Installation

Note:

Keeping back up batteries inside the compartment prevent stored data in preset memories from being lost.

1. Pull out the battery compartment locker to release battery compartment. There are main battery pack compartment and back up battery compartment.
(Fig. 2 & 3)
2. Remove back up battery compartment cover and insert 2 fresh UM-3 (AA sizes). Make sure the batteries are with correct polarity as shown inside the compartment. Replace the battery cover.
3. After back up batteries are inserted, insert the main battery pack to power radio. The suitable battery packs for this radio listed as the following table.

The following tables indicate the operating time on a single charge in Radio mode/iPod iPhone mode.

Battery Cartridge Voltage						AT SPEAKER OUTPUT = 50mW + 50mW unit: Hour		
7.2V	9.6V	10.8V	12V	14.4V	18V	In Radio or AUX	In iPod mode	In iPhone mode
BL7010						APPROX. 5.5	APPROX. 4.0	APPROX. 2.0
	PA09		PA12	PA14	PA18	APPROX. 7.0	APPROX. 6.0	APPROX. 3.0
	9050		1250	1450	1850			
	9100		1200	1420	BL1815			
	9120	BL1013	1220	BL1415				
	9100A		1200A			APPROX. 11.0	APPROX. 10.0	APPROX. 6.0
	9102		1202	1422	1822			
	9122		1222	BH1420				
	9102A		1202A					
	BH9020		BH1220					
	BH9020A		BH1200C					
	9134		1234	1434	1834	APPROX. 14.0	APPROX. 13.0	APPROX. 9.0
				BH1427		APPROX. 15.0	APPROX. 13.5	APPROX. 10.0
	9135		1235	1435	1835	APPROX. 16.5	APPROX. 15.0	APPROX. 11.0
				1435F	BL1830			
			1235F	BL1430		APPROX. 18.0	APPROX. 16.5	APPROX. 12.0
	BH9033		BH1233	BH1433				
	BH9033A		BH1233C					

Note: Table regarding to the battery operating time above is for reference. The actual operating time may differ with the type of the battery and the model of iPod/iPhone in use.

-  : Cluster Battery
-  : Slide Battery

⚠ WARNING:
Do not use two main batteries at the same time.

3-1. Installing or removing Slide battery cartridge (Fig. 4)

- To install the battery cartridge, align the tongue on the battery cartridge with the groove in the housing and slip it into place. Always insert it all the way until it locks in place with a little click.
- If you can see the red indicator on the upper side of the button, it is not locked completely. Install it fully until the red indicator cannot be seen. If not, it may accidentally fall out of the tool, causing injury to you or someone around you.
- Do not use force when inserting the battery cartridge. If the cartridge does not slide in easily, it is not being inserted correctly.
- To remove the battery cartridge, withdraw it from the tool while sliding the button on the front of the cartridge or pressing the buttons on both sides of the cartridge.

⚠ WARNING:
Do not use two main batteries at the same time.

3-2. Installing or removing Cluster battery cartridge (Fig. 5 - 9)

- Pull the supporting bar to allow the battery to insert to the terminal.
 - To insert the battery cartridge, align the tongue on the battery cartridge with the groove in the housing and slip it into place.
 - Release the supporting bar.
 - To remove the battery cartridge, pull the supporting bar and take the battery out of the terminal.
4. Return the battery compartment locker to the original position.
 5. Reduced power, distortion and a "stuttering sound" or low battery sign  that appears on the display are all the signs that the main battery pack needs to be replaced.

Note:

The battery pack can't be charged via the supplied AC power adaptor.

6. When low battery sign  appears and an "E" keeps on flashing is the time to replace the back up batteries.

Installing the Soft bended rod antenna (Fig. 10 & 11)

Install the Soft bended rod antenna as show in the figure.

Note:

There is a click in the battery compartment designed to store the removed antenna.

Using Supplied AC power adaptor (Fig. 12)

Remove the rubber protector and insert the adaptor plug into the DC socket on the front side of the radio. Plug the adaptor into a standard mains socket outlet. Whenever the adaptor is used, the battery pack is automatically disconnected. The AC adaptor should be disconnected from the main supply when not in use.

Note:

When your radio has any interference in AM band by its adaptor, please move your radio away from its AC adaptor over 30 cm.

Operating your radio — Scan tuning AM/FM

1. Press the Power button  to switch on your radio.
2. Press the Source button  to select AM or FM radio mode.
3. Press and hold the Tuning control  to carry out an auto-tune. Your radio will scan up the AM/FM band from the currently displayed frequency and will stop scanning automatically when it finds a station of sufficient strength.
4. After a few seconds the display will update. The display will show the frequency of the signal found.
5. To find other station, press and hold the Tuning control  as before.
6. When the end of the waveband is reached your radio will recommence tuning from the opposite end of the waveband.
7. Rotate the Tuning control to  adjust the sound level as required.
 - While adjusting the volume, make sure the FM/AM is **NOT** flashing on the screen.
 - If AM/FM is flashing on the screen, it allows you to tune the stations manually (see the section of "Manual tuning-AM/FM" for more detail).
8. To switch off your radio press the Power button .

Manual tuning — AM/FM

1. Press the Power button  to switch on your radio.
2. Press the Source button  to select AM or FM radio mode.
3. Press the Tuning control  and you will see the FM or AM is flashing on the display.

- FM/AM will flash approx. 10 seconds. Within this period, only manual tuning is allowed.
 - If volume adjustment is desired while FM/AM is flashing, press the Tuning control to stop the flash and you can rotate the Tuning control to adjust sound level.
4. Rotate the Tuning control  to tune to a station. The FM frequency will change in steps of 100 kHz/50 kHz and AM frequency will change in steps of 9 kHz.
 5. When the end of the waveband is reached your radio will recommence tuning from the opposite end of the waveband.
 6. Use the Tuning control  to adjust the sound level as required.

Presetting stations in AM/FM mode

There are 5 preset stations each for AM and FM radio. They are used in the same way for each waveband.

1. Press the Power button  to switch on your radio.
2. Press the Source button  to select the desired waveband. Tune to the required radio station as previously described.
3. Press and hold the required Preset button (1 to 5)  until the display shows "P4" for example after the frequency. The station will be stored using the preset number. Repeat this procedure for the remaining presets as you wish.
4. Preset stations which have already been stored may be overwritten by following the above procedure if required.

Display modes — FM

Your radio has a range of display options for FM radio mode.

1. Repeatedly press the Menu/Info button  to view the RDS information of the station you are listening to.
 - a. Station name Displays the name if the station being listened to.
 - b. Program type Displays the type of station being listened to such as Pop, Classic, News, etc.
 - c. Radio text Displays radio text message such as new items etc.
 - d. Year/Day Displays the year and day of the week according to the date setting of your radio.
 - e. Date/Day Displays the date and day of the week according to the date setting of your radio.
 - f. Frequency Displays the frequency of the FM for the station listened to.

FM stereo (auto)/mono

If the FM radio station being listened to has a weak signal some hiss may be audible. It is possible to reduce this hiss by forcing the radio to play the station in mono rather than stereo.

1. Press the Source button  as needed to select the FM band and tune to the desired FM station as previously stated.
2. Press and hold Menu/Info button  to enter the menu setting.
3. Rotate the Tuning control  until the FM Auto/mono setting shows on the display. If the setting is Auto press the Tuning control to switch to Mono mode to reduce the hiss. Press the Tuning control to select the option.

Recalling a preset in AM/FM mode

1. Press the Power button  to switch on your radio.
2. Press the Source button  to select AM or FM radio mode.
3. Momentarily press the required Preset button  to cause your radio to tune to one of the stations stored in the preset memory.

iPod docking

Your radio has an iPod docking facility which allows you to play digital audio files and soundtracks held on your iPod/iPhone directly.

Your radio uses the iPod Universal Dock adjustor developed for use with iPods and iPhone. Recent models of iPod/iPhone are supplied with Universal Dock Adapter inserts which ensure correct alignment of the iPod/iPhone with the electrical connector.

Important:

The radio does not support iPod 3rd generation (build 2003-2004). To avoid possible damage to your iPod, do not use your iPod with the product without the correct adapter fitted to the radio.

Note:

- 1) All the model listed in the following can be connected to your radio, but not for iPod shuffle: (1) iPhone 4S (2) iPhone 4 (3) iPhone 3GS (4) iPod touch 4G (5) iPod touch 3G (6) iPod nano 6G (7) iPod nano 5G (8) iPod classic
- 2) Models listed above have been certified by the developer to meet Apple performance standards. The models which are not listed above can also operate with your BMR103; however, there is no certification to meet Apple performance standards.

Charging your iPod/iPhone

1. Place the iPod/iPhone onto the Universal Dock Adjuster into the iPod docking compartment. Press the Power button  to switch on your radio.

2. Press Source button  until "iPod" shows on the display. If you see (battery with thunder) on your iPod screen, it indicates your radio is charging your iPod's/iPhone's internal battery.

Note:

- 1) AM does not operate while charging your iPod/iPhone.
- 2) When the radio is plugged with AC adapter, your iPod/iPhone can be charged regardless of power on/off of the iPod/iPhone itself or the radio.
- 3) When the battery is used as power supply, your iPod/iPhone can only be charged when the radio is power on.

Navigating your iPod/iPhone

To navigate your iPod/iPhone menus to make selections or to change settings, you should use your iPod/iPhone controls. The radio controls can be used for Menu/Select, Previous/Next, Fast Rewind/Fast Forward and Play/Pause functions.

1. Use the Menu/Info button  to navigate to higher level menus on your iPod/iPhone.
2. Rotate the Tuning control  as required to move up or down a menu screen on your iPod/iPhone.
3. Press the Tuning control  to select the highlighted option on your screen menu.

Note:

If this item is a lower level menu item, you may then navigate further by pressing the Tuning control.

Playing an audio file on your iPod/iPhone

1. When you have found the desired item, press the Tuning control  on the radio to start the iPod playing.
2. Adjust the volume to the required setting using the Tuning control  on your radio.
 - To adjust the volume, you need to make sure the word "iPod" on the screen is not flashing.
 - Press the preset button (1-5) at any point if you want to cease the word "iPod" from flashing.
3. To pause playback press the Play/Pause button  (②). To resume playback press the Play/Pause button  (④) again.
4. iPods do not have a Stop button (they use the Pause function). To play an alternative selection, use the iPod menus to make the selection using the Play/Pause button  (④) to stop playing the current item if needed.
5. If it was previously playing, your iPod/iPhone will switch on and continue playing from where it was previously stopped.

Note:

Your BMR103 does not support video file but only music file.

Note:

When Video File List was selected, please press Select button.

Search function

1. Press either the Fast-Forward  (⑤) or Back-forward button  (③) to start playing the next or previous track.
2. While the iPod/iPhone is playing, press and hold the Fast-Forward  (⑤) or Back-forward buttons  (③) to move through the current file or track, and then release the button when the desired point in the file or track is reached.
3. To select a desired track among folders, press the Folder Up/Down button  - (①),  + (②) to select a desired track in different folder.

Clock and Alarms**Setting the time format**

The clock display used in stand-by mode and on the playing mode screens can be set to 12 or 24 hour format. The selected format is then also used when setting the alarms.

1. Press and hold the Menu/Info button  to enter the menu setting.
2. Rotate the Tuning control  until "CLOCK xxH" appears on the display and press the Tuning control  to enter the setting. You will see the time format begins to flash.
3. Rotate the Tuning control  to select either 12 or 24 hour format. Press the Tuning control  to confirm your choice of clock format.

Note:

If the 12 hour clock format is chosen, the radio will then use the 12 hour clock for the setting.

Setting the clock time and date

1. Press and hold the Menu/Info button .
2. Rotate the Tuning control  until "CLOCK ADJ" appears on the display. Press the Tuning control  to enter the setting.
3. The hour setting on the display will begin flashing. Rotate the Tuning control  to select the desired hour, and press the Tuning control  to confirm the setting. Then rotate the Tuning control  to select the desired minute, and press the Tuning control  to confirm the setting.
4. Rotate the Tuning control  until "DATE ADJ" appears on the display. Press the Tuning control  to enter the setting.

5. Rotate the Tuning control  to select the desired year and press the Tuning control  to confirm the setting. Then rotate the Tuning control  to select the desired month, and press the Tuning control  to confirm the setting. Then rotate the Tuning control  to select the desired date and press the Tuning control  to confirm the setting.

Radio Data System (RDS)

When you set the clock time using the RDS function, your radio will synchronize its clock time whenever it tunes to a radio station using RDS with CT signals.

1. When tuning to a station transmitting RDS data, press and hold the Menu/Info button .
2. Rotate the Tuning control  until "RDS CT" and a clock symbol appear on the display. Press the Tuning control  to enter the setting.
3. Rotate the Tuning control  until "RDS CT" appears on the display. Press the Tuning control  to confirm the setting. The clock time of the radio will set up automatically according to the RDS data received.
4. When the action is completed, the RDS icon will appear on the LCD display indicating the radio time is RDS clock time. The radio clock time will be valid for 5 days each time the radio time is synchronized with RDS CT.

Setting the alarm clock

Your BMR103 has two alarms which can each be set to wake you to AM/FM radio or buzzer alarm. The alarms may be set while the unit is in standby mode or while playing.

a. Setting radio alarm time:

1. The radio alarm can be set either when radio is on or off.
2. Press and hold the radio alarm button , the radio alarm symbol and the display hour will flash along with a beep.
3. During radio alarm symbol  flashes, rotate Tuning control knob  to select the hour and press Tuning control knob  again to confirm hour setting. Then rotate the Tuning control knob  to select the minute and press Tuning control knob  to confirm minute setting.
4. Rotate the Tuning control knob and the display will show the frequency options for the alarm. The alarm options are as follows:
ONCE - the alarm will sound once
DAILY - the alarm will sound everyday
WEEKDAY - the alarm will sound only on weekdays
WEEKEND - the alarm will sound only at weekends
Press the Tuning control  to confirm the setting.

- During radio alarm symbol is flashing, rotate Tuning control knob to select desired wake-up band and station, then press Tuning control knob to confirm the selection.
- Rotate Tuning control knob to select the desired volume and press Tuning control knob to confirm the volume. Radio alarm setting is now completed.

Note:

If new radio alarm station is not selected, it will select the last alarm station.

Note:

If the selected AM/FM alarm station is not available when the alarm is sounding, the buzzer alarm will be used instead.

b. Setting HWS (Humane Wake System) buzzer alarm:

A beep tone will activate when selecting the HWS buzzer alarm.

The alarm beep will sound shorter every 15 seconds for one minute followed by one minute silence before repeating the cycle.

- The buzzer alarm can be set either when the radio is on or off.
- Press and hold the buzzer alarm button -, the symbol and the display hour will flash along with a beep.
- During buzzer alarm symbol - flashes, rotate Tuning control knob  to select the hour and press Tuning control knob  again to confirm hour setting. Then rotate the Tuning control knob  to select the minute and press Tuning control knob  to confirm minute setting.
- Rotate the Tuning control knob and the display will show the frequency options for the alarm. The alarm options are as follows:
ONCE - the alarm will sound once
DAILY - the alarm will sound everyday
WEEKDAY - the alarm will sound only on weekdays
WEEKEND - the alarm will sound only at weekends
Press the Tuning control knob  to confirm the setting.

Note:

There is no volume adjustment for buzzer alarm.

When the alarm sounds

To cancel a sounding alarm, press the Power button  .

Disabling/cancelling alarms

To disable an active alarm, either press the Power button , or press and hold the corresponding alarm button to cancel the alarm.

Snooze

- When the alarm sounds, press any button other than the Power button will silence the alarm for 5 minutes. "SNOOZE" will appear on the display.
- To adjust the silence time for the snooze timer, press and hold the Menu/Info button  to enter the menu setting.
- Rotate the Tuning control knob  until "SNOOZE X" appears on the display, then press the Tuning control knob  to enter the setting. Rotate the Tuning control knob  to adjust the silence time from 5, 10, 15 and 20 minutes for the snooze timer.
- To cancel the snooze timer while the alarm is suspended, press the Power button  .

Sleep timer

Your radio can be set to turn off automatically after a preset time has elapsed. The Sleep Timer setting can be adjusted between 60, 45, 30, 15, 120 and 90 minutes.

- Press and hold the Power button  to enter the Sleep Timer setting. "SLEEP XX" will show on the display.
- Keep holding the Power button  and the Sleep Timer options will start switching on the display. Stop until the desired Sleep Timer setting appears on the display. The setting will be saved and the LCD will return to normal display.
- Your radio will switch off automatically after the preset Sleep Timer has elapsed. The Sleep Timer icon  will show on the display indicating an active Sleep Timer.
- To cancel the Sleep Timer function before the preset time has elapsed, simply press the Power button  to turn the unit off manually.

Loudness

You can get compensation on lower and higher frequency for your BMR103 by adjusting the loudness function.

- Press and hold the Menu/Info button  to enter the menu setting.
- Rotate the Tuning control knob  until "LOUD ON" or "LOUD OFF" appears on the display. Press the Tuning control knob  to enter the setting.
- Rotate the Tuning control knob  to choose ON to turn on the loudness function, then press the Tuning control knob  to confirm the setting.
- To turn off the loudness function, select OFF and press the Tuning control knob  to confirm the setting.

Auxiliary input socket

Two 3.5 mm stereo Auxiliary Input sockets are provided. One is at the front of your radio; the other is AUX IN 2 is located in the battery compartment.

1. Repeatedly press and release the Source button  until AUX IN 2 is displayed.
2. Connect an external audio source (for example, iPod, MP3 or CD player) to the Auxiliary Input socket.
3. Adjust the volume setting on your iPod, MP3 or CD player to ensure an adequate signal level from the player, and then use the Tuning control  on the radio as needed for comfortable listening.

MAINTENANCE

CAUTION:

- Never use gasoline, benzene, thinner, alcohol or the like. Discoloration, deformation or cracks may result.

Specifications:

Power Requirements

AC power adaptor DC12 V/1200 mA, center pin positive

Battery UM-3 (AA size) x 2 for back up
Cluster battery: 7.2 V - 18 V
Slide battery: 9.6 - 18 V

Frequency coverage FM 87.50 - 108 MHz
(0.05 MHz/step)
AM (MW) 522 - 1629 kHz
(9 kHz/step)

Circuit feature

Loudspeaker 3 inches 8 ohm

Output Power 7.2 V: 0.5 W x 2, 9.6 V: 1 W x 2,
10.8 V: 1.2 W x 2, 12 V: 1.5 W x 2,
14.4 V: 2.2 W x 2, 18 V: 3.5 W x 2

Input terminal 3.5 mm dia. (AUX IN1/AUX IN2)

Antenna system FM: soft bended rod antenna
AM: bar antenna

Dimension (W x H x D) in mm

280 x 302 x 163

Weight 4.2 kg (without battery)

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