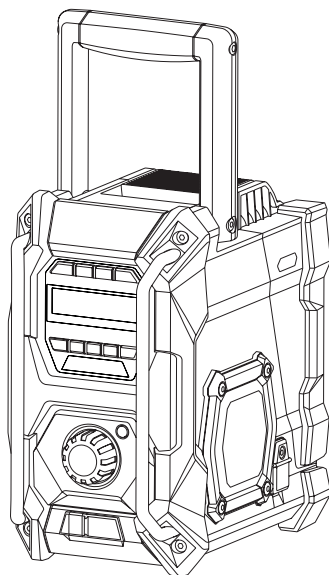




# Job Site Radio

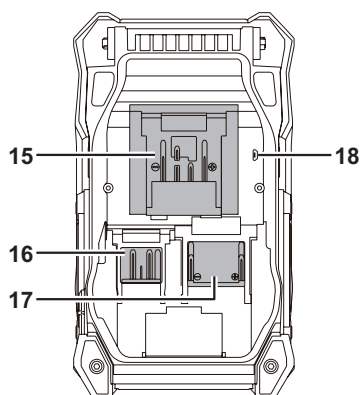
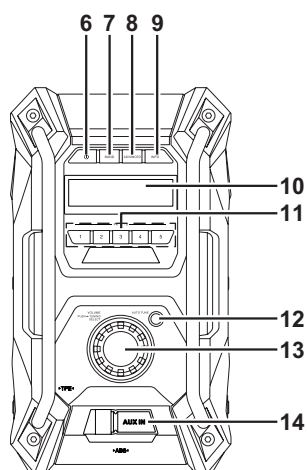
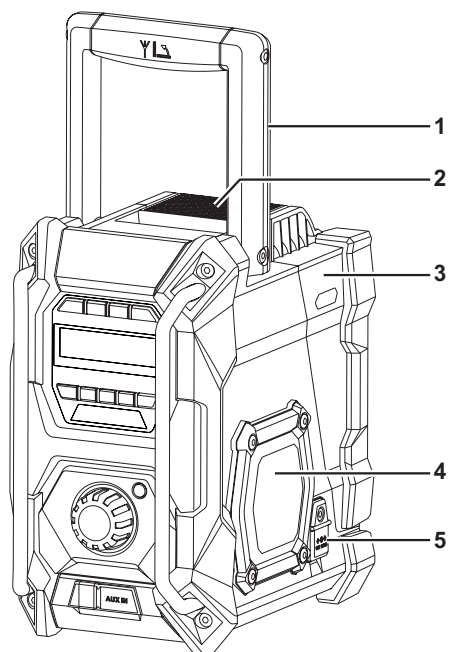
## MR003G



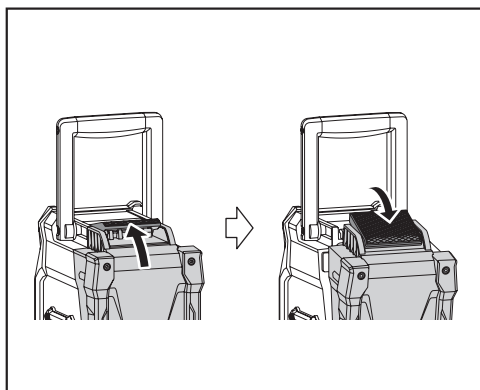
**INSTRUCTION MANUAL**

**IMPORTANT:** Read Before Using.

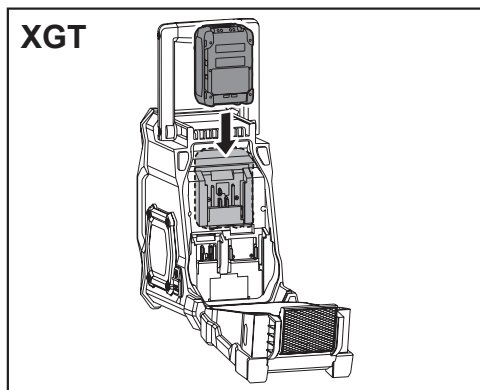




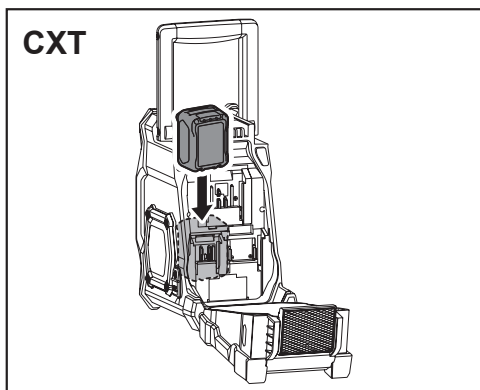




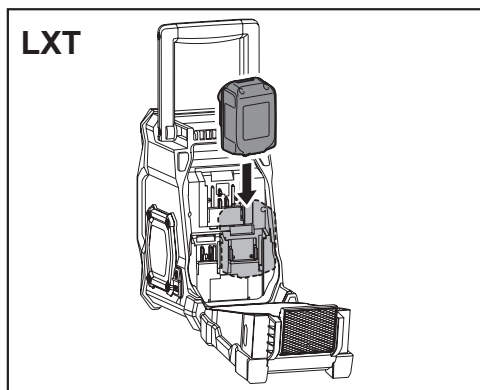
2



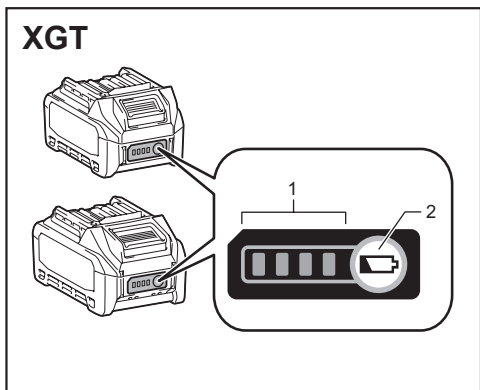
3



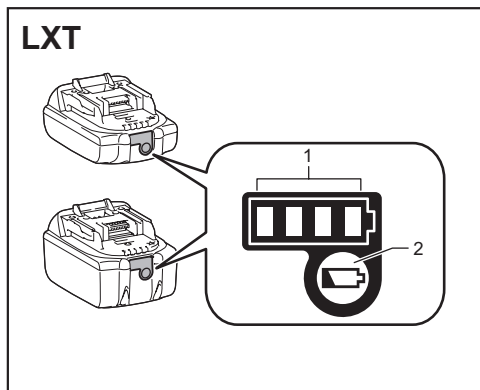
4



5



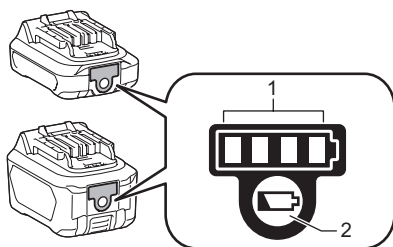
6



7



## CXT



8

## ENGLISH (Original Instruction)

### EXPLANATION OF GENERAL VIEW (Fig. 1)

1. Handle/Built-in antenna (DAB/FM)
2. Battery compartment locker
3. Battery compartment cover (covering battery cartridge)
4. Speaker
5. DC IN socket
6. Power button
7. Band button
8. Advanced setting button
9. Info button
10. LCD display
11. Preset button 1-5
12. Auto tune button
13. Volume/Tuning control/Select knob
14. AUX IN socket
15. XGT Battery Terminal
16. CXT Battery Terminal
17. LXT Battery Terminal
18. Micro USB port for software upgrade

## 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.

Due to the presence of hazardous components in the equipment, waste electrical and electronic equipment, accumulators and batteries may have a negative impact on the environment and human health.

Do not dispose of electrical and electronic appliances or batteries with household waste!

In accordance with the European Directive on waste electrical and electronic equipment and on accumulators and batteries and waste accumulators and batteries, as well as their adaptation to national law, waste electrical equipment, batteries and accumulators should be stored separately and delivered to a separate collection point for municipal waste, operating in accordance with the regulations on environmental protection. This is indicated by the symbol of the crossed-out wheeled bin placed on the equipment.

## 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 lighting 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. Do not use a battery pack or tool that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behaviour resulting in fire, explosion or risk of injury.
12. Do not expose a battery pack or tool to fire or excessive temperature. Exposure to fire or temperature above 130°C (266°F) may cause explosion.
13. Follow all charging instructions and do not charge the battery pack or tool outside the temperature range specified in the instructions. Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.
14. If the tool is not used for a long period of time, the battery must be removed from the tool.
15. Keep the battery away from children.
16. The MAINS plug is used as the disconnect device, and it shall remain readily operable.
17. Do not use the product at a high volume for any extended period. To avoid hearing damage, use the product at moderate volume level.
18. (For products with LCD display only) LCD displays include liquid which may cause irritation and poisoning. If the liquid enters the eyes, mouth or skin, rinse it with water and call a doctor.
19. Do not expose the product to rain or wet conditions. Water entering the product will increase the risk of electric shock.
20. This product is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the product by a person responsible for their safety. Children should be supervised to ensure that they do not play with the product. Store the product out of the reach of children.
21. Do not heat or expose the radio to fire or leave it in a hot location such as near a heat source, exposed to direct sunlight, or inside a vehicle under the blazing sun. Doing so may cause a fire or explosion and result in personal injury.

## SAVE THESE INSTRUCTIONS

### SPECIFIC SAFETY RULES 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 or tamper the battery cartridge. It may result in a fire, excessive heat, or explosion.
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. Do not nail, cut, crush, throw, drop the battery cartridge, or hit against a hard object to the battery cartridge. Such conduct may result in a fire, excessive heat, or explosion.
9. Do not use a damaged battery.



10. To avoid risk, the manual of replaceable the battery should be read before use. And the max discharging current of the battery should be greater than or equal to 8A.
11. The contained lithium-ion-batteries are subject to the Dangerous Goods Legislation requirements. For commercial transports e.g. by third parties, forwarding agents, special requirement on packaging and labeling must be observed.  
For preparation of the item being shipped, consulting an expert for hazardous material is required. Please also observe possibly more detailed national regulations.  
Tape or mask off open contacts and pack up the battery in such a manner that it cannot move around in the packaging.
12. Follow your local regulations relating to disposal of battery.
13. Use the batteries only with the products specified by Makita. Installing the batteries to non-compliant products may result in a fire, excessive heat, explosion, or leak of electrolyte.
14. During and after use, the battery cartridge may take on heat which can cause burns or low temperature burns. Pay attention to the handling of hot battery cartridges.
15. Do not touch the terminal of the tool immediately after use as it may get hot enough to cause burns.
16. Do not allow chips, dust, or soil stuck into the terminals, holes, and grooves of the battery cartridge. It may result in poor performance or breakdown of the tool or battery cartridge.
17. Unless the tool supports the use near a high-voltage electrical power lines, do not use the battery cartridge near a high-voltage electrical power lines. It may result in a malfunction or breakdown of the tool or battery cartridge.
3. Charge the battery cartridge with room temperature at 10°C - 40°C (50°F - 104°F). Let a hot battery cartridge cool down before charging it.
4. When not using the battery cartridge, remove it from the tool or the charger.
5. Charge the battery cartridge if you do not use it for a long period (more than six months).

**⚠ CAUTION:**

- **Danger of explosion if battery is incorrectly replaced.**
- **Replace only with the same or equivalent type.**
- **Only use genuine Makita batteries. Use of non-genuine Makita batteries, or batteries that have been altered, may result in the battery bursting causing fires, personal injury and damage. It will also void the Makita warranty for the Makita tool and charger.**

## **Tips for maintaining maximum battery life**

1. Charge the battery cartridge before completely discharged. Always stop tool operation and charge the battery cartridge when you notice less tool power.
2. Never recharge a fully charged battery cartridge. Overcharging shortens the battery service life.



## OPERATING TIME

\* The suitable battery packs for this radio listed as the following table.

\* The following table indicates the operating time on a single charge.

Battery capacity	Battery cartridge voltage				AT SPEAKERS OUTPUT= 100mW Unit : Hour (Approximately)
	CXT (10.8V - 12V max)	LXT (14.4V)	LXT (18V)	XGT (36V - 40V max)	
1.5 Ah	BL1015 BL1016				9.5
		BL1415N			8.0
			BL1815N		8.5
2.0 Ah	BL1020B BL1021B				12.5
			BL1820B		11.0
				BL4020	17.0
2.5 Ah				BL4025	21.0
3.0 Ah		BL1430B			13.0
			BL1830B		16.0
4.0 Ah	BL1040B BL1041B				23.5
		BL1440			21.0
			BL1840B		22.0
				BL4040	34.0
5.0 Ah		BL1450			26.0
			BL1850B		29.0
6.0 Ah		BL1460B			28.0
			BL1860B		35.0

Some of the battery cartridges and chargers listed above may not be available depending on your region of residence.

### **WARNING:**

**Only use the battery cartridges listed above. Use of any other battery cartridges may cause injury and/or fire.**

### **NOTE:**

- Table regarding to the battery operating time above is for reference.
- The actual operating time may differ with the type of the battery, charging condition, or usage environment.



# INSTALLATION AND POWER SUPPLY

## ⚠ CAUTION:

- Be careful not to pinch your fingers when opening and closing the battery cover.
- Return the battery compartment locker to the original position, after installing or removing battery cartridge. If not, battery cartridge may accidentally fall out of the radio, causing injury to you or someone around you.
- Always close and lock the battery compartment locker before moving the radio.
- Always switch off the radio before installing or removing the battery cartridge.
- Be careful not to drop or strike the radio. Broken shell may slash your finger or stab your body. Damaged radio may exhibit unpredictable behaviour resulting in fire, explosion or risk of injury.
- Hold the tool and the battery cartridge firmly when installing or removing battery cartridge.

## IMPORTANT:

- Reduced power, distortion, "stuttering sound" or when "POWER FAIL" appears on the display are all the signs that the main battery pack needs to be replaced.
- The battery cartridge can't be charged via the supplied AC power adaptor.
- The battery cartridge is not included as standard accessories.

## Installing or removing slide battery cartridge (Fig. 2-5)















- 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 radio, causing injury to you or someone around you.
- Do not use force when installing the battery cartridge. If the cartridge does not slide in easily, it is not being inserted correctly.
- To remove the battery cartridge, slide it from the radio while sliding the button on the front of the cartridge.

## Indicating the remaining battery capacity (Fig. 6-8)

### ➤ 1. Indicator lamps 2. Check button

Press the check button on the battery cartridge to indicate the remaining battery capacity. The indicator lamps light

up for few seconds.

Indicator or lamps			Remaining capacity
 Lighted	 Off	 Blinking	
			75% ~ 100%
			50% ~ 75%
			25% ~ 50%
			0% ~ 25%
			Charge the battery.
 	 		The battery may have malfunctioned.

## NOTE:

- Depending on the conditions of use and the ambient temperature, the indication may differ slightly from the actual capacity.
- The first (far left) indicator lamp will blink when the battery protection system works.

## Using supplied AC power adaptor

Remove the rubber protector and insert the adaptor plug into the DC socket on the right hand side of the radio. Plug the adaptor into a standard mains socket outlet. Whenever the adaptor is used, the battery pack is automatically disconnected.

## ⚠ CAUTION:

- Always disconnected the AC power adapter completely before moving the radio. If the AC adapter is not removed, it may cause an electric shock.
- Never pull and/or drag the cord of the adapter. If not, the radio may accidentally fall down, causing injury to you or someone around you.

## IMPORTANT:

- The mains adaptor is used as the means of connecting the radio to the mains supply. The mains socket used for the radio must remain accessible during normal use.
- In order to disconnect the radio, the mains adaptor should be removed from the mains outlet completely.
- Use the AC power adaptor supplied with the product or specified by Makita only.
- Do not hold the power supply cable and plug by your mouth. Doing so might cause an electric shock.



- Do not touch the power plug with wet or greasy hands.
- Damaged or entangled cords increase the risk of electric shock. If the cord is damaged, have it replaced by our authorized service center in order to avoid a safety hazard. Do not use it before repair.
- After use, always store AC power adaptor out of the reach of children. If Children play with the cord, they may suffer injury.

## LISTENING TO THE RADIO

This radio has three tuning methods- Scan tuning, Manual tuning and Memory presets recall.

### Selecting a station – DAB

#### Note:

The DAB antenna is built into the handle. When operating the radio, please straighten the handle properly above the radio to get better reception.

1. Press the Power button to switch on your radio.
2. Select the DAB mode by pressing the Band button.
3. Press the Advanced setting button and rotate the Volume/Tuning Control/Select knob until "Station List" is flashing on the screen. Press the Volume/Tuning Control/Select knob to enter the list of the stations.
4. Rotate the Volume/Tuning Control/Select knob to scroll through the list of available stations. Press the knob to select the station.
5. Adjust the desired volume by rotating the Volume/Tuning Control/Select knob.

### Display modes – DAB

Your radio has a range of display options in the DAB mode.

Press the Info button to cycle through the various options shown in the following letters (a. to g.).

- |                          |  |
|--------------------------|--|
| a. Station name          | Indicates the station name being listened to.  |
| b. Program type          | Indicates the type of station being listened to. E.g. Pop, Classics, News, etc.          |
| c. Multiplex name        | Indicates the name of the DAB multiplex to which the current station belongs.            |
| d. Time & date           | Indicates the current time and date.   |
| e. Frequency and channel | Indicates the frequency and channel number for the currently tuned DAB station.          |
| f. Bit rate/Audio type   | Indicates the digital audio bit rate and audio type for the currently tuned DAB station. |
| g. Signal strength       | Indicates the signal strength for the currently tuned DAB station.                       |

### Finding new stations – DAB

From time to time, new DAB radio stations may become available. Or you may have moved to a different part of the country. In this case you may need to activate your radio to scan for new stations.

To allow the radio to find the available stations, it is recommended to carry out a full scan of the entire DAB Band III frequencies.

1. Press the Auto tune button.
2. Your radio will perform a full scan of the DAB frequencies. As new stations are found, the station counter on the right side in the display will increase and stations will be added to the list.

### Manual tuning – DAB

Manual tuning allows you to tune your radio to a particular DAB frequency in Band III. This function can also be used to assist the positioning of the antenna or the radio so as to optimize reception for a specific channel or frequency.

1. Press the Advanced setting button and rotate the Volume/Tuning Control/Select knob until "Manual Tune" shows on the display. Press the Volume/Tuning Control/Select knob to enter the manual tuning mode.
2. Rotate the Volume/Tuning Control/Select knob to select the desired DAB channel. Press Volume/Tuning Control/Select knob to confirm the chosen frequency.

### Station order setup – DAB

Your radio has 3 station order settings from which you can choose. The station order settings are alphanumeric, ensemble and valid station.

1. Press the Advanced setting button.
2. Rotate the Volume/Tuning Control/Select knob until "Station Order" appears on the display, then press the Volume/Tuning Control/Select knob to enter the setting.
3. Rotate the Volume/Tuning Control/Select knob to select the following options and press the knob to confirm the setting.
 

Alphanumeric	Sorts the station list alpha-numerically 0...9 A...Z.
Ensemble	Organizes the station list by DAB multiplex.
Valid	Shows only those stations for which a signal can be found.

### Dynamic Range Control (DRC) – DAB

DRC feature can make quieter sounds easier to hear when your radio is used in a noisy environment by reducing the dynamic range of the audio signal. There are three levels of compression:



- DRC 0 No compression applied.
- DRC 1/2 Medium compression applied.
- DRC 1 Maximum compression applied.

1. Press the Power button to switch on your radio.
2. Press the Band button to select the DAB band.
3. Press the Advanced setting button and rotate the Volume/Tuning Control/Select knob until "DRC Value" shows on the display. Then press the Volume/Tuning Control/Select knob to enter the setting. The display will show the current DRC value.
4. Rotate the Volume/Tuning Control/Select knob to select desired DRC setting.
5. Press the Volume/Tuning Control/Select knob to confirm the setting.

## Scan Tuning – FM

### Note:

The FM antenna is built into the handle. When operating the radio, please straighten the handle properly above the radio to get better reception.

1. Press the Power button to turn on the radio.
2. Press the Band button to select FM band.
3. Press the Auto tune button and the radio will search and stop automatically when it finds a radio station. The radio will continue searching for the next available station unless the operator presses the Auto tune button to stop the scanning.
4. Rotate the Volume/Tuning Control/Select knob to get the desired sound level. The LCD display will show sound level changes.
5. To turn off the radio, press the Power button.

## Manual Tuning – FM

1. Press the Power button to turn on the radio.
2. Press the Band button to select FM band.
3. Press the Volume/Tuning Control/Select knob to switch to the tuning control mode.
4. Rotate the Volume/Tuning Control/Select knob to find your desired station.
5. To adjust the volume, press the Volume/Tuning Control/Select knob again to switch to the volume control mode.
6. Rotate the Volume/Tuning Control/Select knob to adjust the sound level as required.

## FM scan zone

When using FM mode, your radio can be set to scan either local stations or to scan all stations including distant radio stations.

1. Press the Power button to turn on the radio.
2. Press the Band button to select the FM band.
3. Press the Advanced setting button and then rotate the Volume/Tuning Control/Select knob until "FM Scan

Zone" shows on the display. Press the Volume/Tuning Control/Select knob to enter the setting.

4. Rotate the Volume/Tuning Control/Select knob to switch between "Local" (Strong stations only) and "Distant" (All stations) options on the lower line of the display. The Distant option will allow the radio to find weaker signals when scanning.
5. Press the Volume/Tuning Control/Select knob to confirm your selection. The Local or Distant setting is stored in the radio and remains in force until changed or until a System Reset.

## Display modes – FM (RDS)

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

Repeatedly press the Info button to view the RDS (Radio Data System) information of the station you are listening to.

- |                    |  |
|--------------------|--|
| a. Program station | Indicates the name of the station being listened to.                             |
| b. Frequency       | Indicates the frequency of the FM signal.  |
| c. Radio text      | Indicates text message such as new items, etc.                                   |
| d. Program type    | Indicates the type of station being listened to such as Pop, Classic, News, etc. |
| e. Time & date     | Indicates the current time and date.   |

## Storing stations in preset memories (DAB and FM)

There are 5 memory presets for each waveband.

1. Press the Power button to turn on the radio.
2. Tune to the desired station using one of the methods previously described.
3. Press and hold the desired Preset button until the preset number shown on the display, for example, "P2 Saved". The station is then stored in the selected Preset button.
4. Repeat this procedure for the remaining presets.
5. Stations stored in the preset memories can be overwritten by following the procedures described above.

## Recall stations from the preset memories (DAB and FM)

1. Press the Power button to turn on the radio.
2. Press the Band button to select your desired waveband.
3. Press the desired Preset button momentarily. The preset number and station frequency will appear in the display.



## AUXILIARY INPUT SOCKET

A 3.5mm Auxiliary input socket is provided at the front of your radio to permit an audio signal to be fed into the unit from an external audio device such as a MP3 or CD player.

1. Press the Power button to switch on your radio.
2. Connect an external audio source (for example, MP3 or CD player) to the AUX IN socket. The radio will automatically switch to the AUX IN mode.
3. Alternatively press the Band button until "AUX IN" is displayed.
4. To have the better sound quality, we recommend setting the volume to more than two-thirds level on your audio device and then adjust the volume on the radio as required.

### Note:

Audio cord is not included as standard accessories.

## MISCELLANEOUS SETTINGS

### Language options

There are eight language options available in the radio: English, German, Italian, French, Dutch, Danish, Norwegian and Polish.

1. Press Advanced setting button.
2. Rotate the Volume/Tuning Control/Select knob until "Language" shows on the display. Press the Volume/Tuning Control/Select knob to enter the setting.
3. Rotate the Volume/Tuning Control/Select knob to choose your desired language. Press the Volume/Tuning Control/Select knob to confirm your setting.

### Brightness control

The backlight of the display can be adjusted.

1. Press the Advanced setting button.
2. Rotate the Volume/Tuning Control/Select knob until the "Backlight" shows on the display. Press the Volume/Tuning Control/Select knob to enter the setting.
3. Rotate the Volume/Tuning Control/Select knob to choose "On" or "Off" to enable or disable the backlight function, then press the Volume/Tuning Control/Select knob to confirm the setting.

### System reset

If your radio fails to work correctly, or some digits on the display are missing or incomplete, carry out the following procedure.

1. Press Advanced setting button.
2. Rotate the Volume/Tuning Control/Select knob until "Factory Reset" shows on the display. Press the Volume/Tuning Control/Select knob to enter the setting.

3. Rotate the Volume/Tuning Control/Select knob to choose "Yes". Press the Volume/Tuning Control/Select knob to confirm the setting and a full reset will be performed.

### Software version

1. Press the Advanced setting button.
2. Rotate the Volume/Tuning Control/Select knob until "SW Version" shows on the display. Press the Volume/Tuning Control/Select knob to view the software version installed in the radio.

### Micro USB port for software upgrade

Software updates for your radio may be available in the future.

As software updates become available software and information on how to update your radio can be found at Makita website.

## MAINTENANCE

### ⚠ CAUTION:

- Never use gasoline, benzine, thinner, alcohol or the like. Discoloration, deformation or cracks may result.
- Do not wash the radio with water.

## SPECIFICATIONS

Power requirements	
AC power adaptor	DC 12V 1A, center pin positive
Battery	Slide battery: 10.8V - 36V
Frequency coverage	FM 87.50-108 MHz (0.05MHz/step) DAB/DAB+ 174.928-239.200 MHz
DAB/DAB+ Channel block	DAB (Band III) 5A-13F
Compatible standard	DAB/DAB+

Circuit feature	
Loudspeaker	3.5inches 32ohm x 2
Output power	10.8V-12V max: 1.7W x 2 14.4V: 3W x 2 18V: 4.9W x 2 36V: 4.9W x 2
Input terminal	3.5mm dia. (AUX IN)
Antenna system	DAB/FM: Built-in antenna
Dimensions(L x W x H)	278 x170 x 298mm
Weight	4.2Kg (without battery)



**Makita Europe N.V.** Jan-Baptist Vinkstraat 2,  
3070 Kortenberg, Belgium

**Makita Corporation** 3-11-8, Sumiyoshi-cho,  
Anjo, Aichi 446-8502 Japan

MR003G-ENEU-2101  
3A81dU5Z3000A

[www.makita.com](http://www.makita.com)

SJN