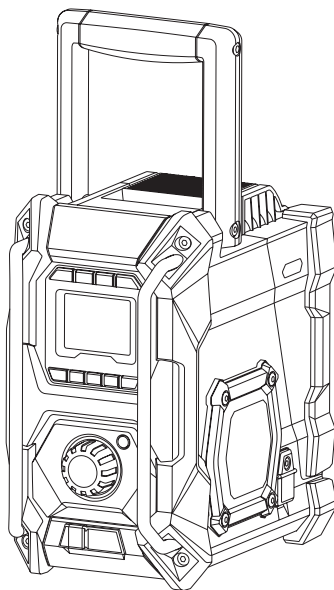




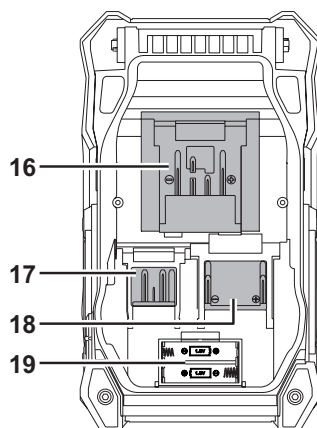
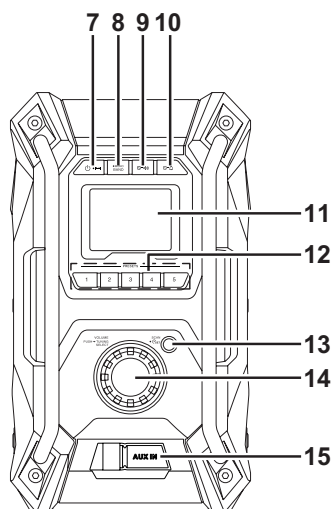
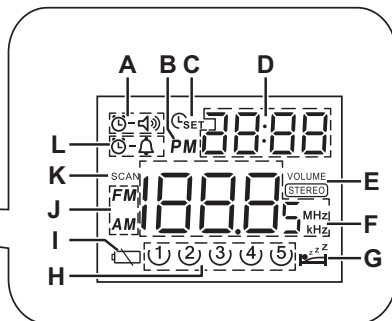
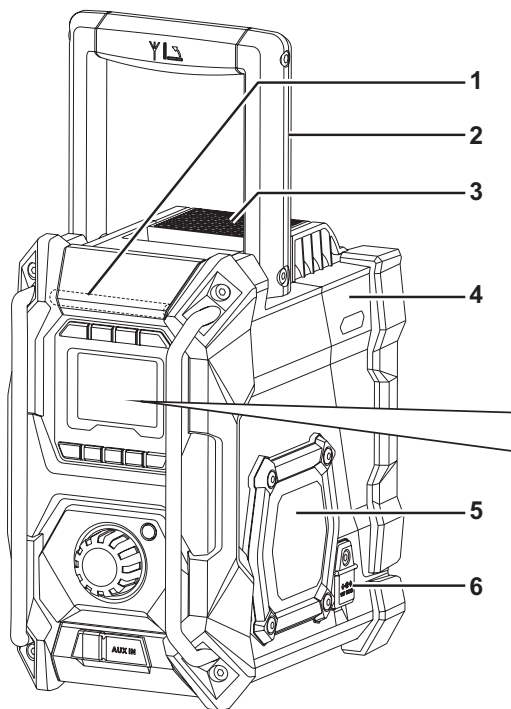
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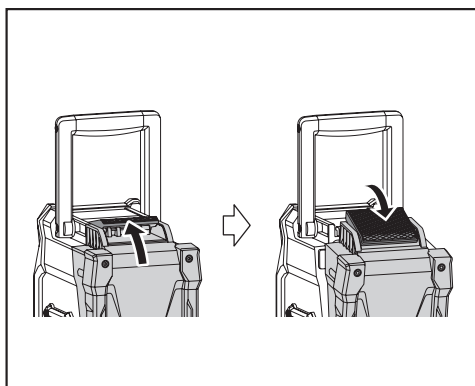
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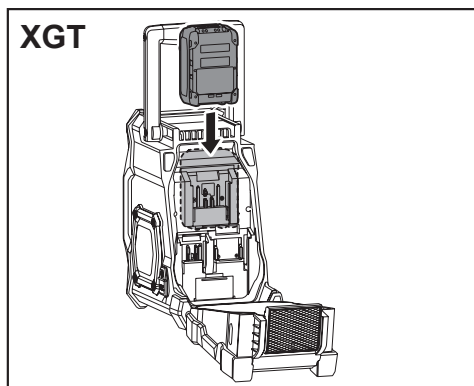
INSTRUCTION MANUAL

IMPORTANT: Read Before Using.

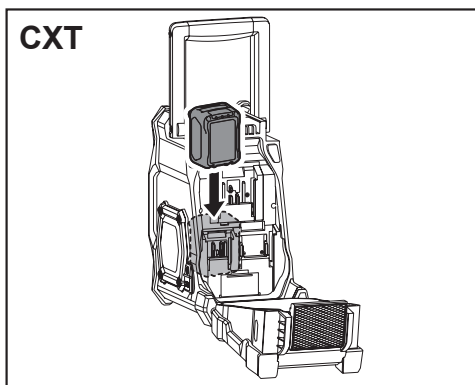




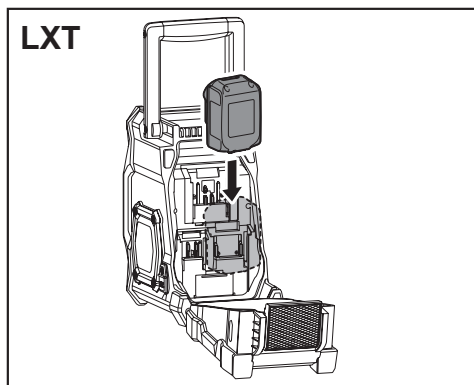
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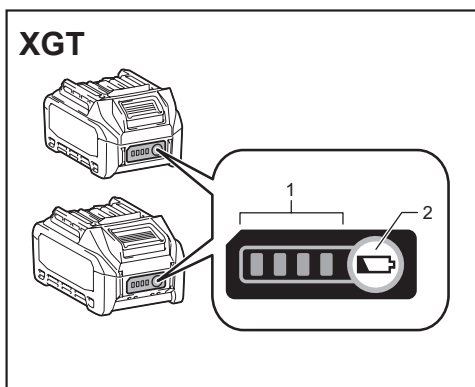
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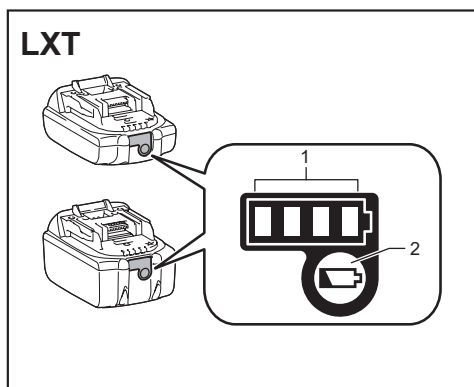
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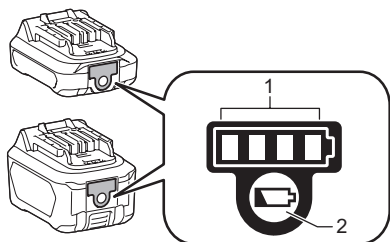


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7

CXT

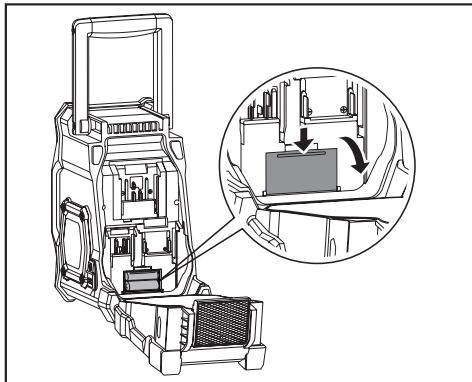


8

ENGLISH (Original Instruction)

EXPLANATION OF GENERAL VIEW (Fig. 1)

1. Built-in antenna (AM)
2. Handle/Built-in antenna (FM)
3. Battery compartment locker
4. Battery compartment cover
(covering battery cartridge)
5. Speaker
6. DC IN socket
7. Power/Sleep timer button
8. Band/Mono button
9. Radio alarm button
10. Buzzer alarm button
11. LCD display
12. Preset button 1-5
13. Scan tuning/Time set button
14. Volume/Tuning control/Select knob
15. AUX IN socket
16. XGT Battery Terminal
17. CXT Battery Terminal
18. LXT Battery Terminal
19. Back up batteries compartment



9

LCD DISPLAY

- A. Radio alarm
- B. PM for clock
- C. Time set
- D. Clock
- E. Stereo symbol and Volume
- F. Frequency
- G. Sleep and Snooze status
- H. Preset stations
- I. Low battery indicator
- J. Band Indicator
- K. Scan tuning
- L. HWS buzzer alarm

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.

⚠ 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.
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).

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				8.0
		BL1415N			7.0
			BL1815N		7.5
2.0 Ah	BL1020B BL1021B				11.0
			BL1820B		10.0
				BL4020	14.5
2.5 Ah				BL4025	18.5
3.0 Ah		BL1430B			12.0
			BL1830B		14.0
4.0 Ah	BL1040B BL1041B				18.5
		BL1440			19.0
			BL1840B		20.0
				BL4040	30.0
5.0 Ah		BL1450			23.0
			BL1850B		25.5
6.0 Ah		BL1460B			25.0
			BL1860B		31.0

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 and a "stuttering sound" or low battery sign  that appears on the display are all the signs that the main battery pack needs to replace.
- When low battery sign  appears and an "E" keeps on flashing is the time to replace the backup batteries.
- The battery cartridge can't be charged via the supplied AC power adapter.
- The battery cartridge is not included as standard accessories.









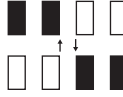
Installing or removing slide battery cartridge (Fig. 2-5)

- 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%
 (For XGT and LXT battery cartridges only)			Charge the battery.
 (For XGT and LXT battery cartridges only)			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.

Back up battery Installation (Fig. 9)

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.
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.

Using supplied AC power adapter

Remove the rubber protector and insert the adapter plug into the DC socket on the right hand side of the radio. Plug the adapter into a standard mains socket

outlet. Whenever the adapter 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 adapter 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 adapter should be removed from the mains outlet completely.
- Use the AC power adapter 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 adapter out of the reach of children. If Children play with the cord, they may suffer injury.

Note:

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

LISTENING TO THE RADIO

Scan tuning AM/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. For the AM band, rotate the radio to get best signal as the AM antenna is built into the radio.

1. Press the Power button to switch on your radio.
2. Press the Band button to select AM or FM radio mode.
3. Press the Scan button, the LCD display will flash Scan symbol and the radio will search and stop automatically when it finds a radio station. Press the Scan button again to pick up the found station.

Note:

- A stereo symbol will appear on the display, if the station found is a stereo station.
- The radio will continue to search next available stations if you do not press Scan button again when it finds a radio station.

4. Rotate the Tuning control knob to adjust the sound level as required. The LCD display will show sound level changes.

Note:

- 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).
- The volume should not be too large. To prevent possible hearing damage, do not listen at high volume levels for long periods.

5. 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 Band button to select AM or FM radio mode.
3. Press the Tuning control knob and you will see the FM or AM is flashing on the display.

Note:

- 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 knob to stop the flash and you can rotate the Tuning control knob to adjust sound level.

4. Rotate the Tuning control knob to tune to a station.
5. When the end of the waveband is reached your radio will recommence tuning from the opposite end of the waveband.

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 Band button to select the desired waveband. Tune to the required radio station as previously described.
3. Press and hold the required preset button until radio beeps. The preset number will appear on the display. 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.

Change Stereo to Mono

When the stereo FM station reception is weak, you can improve it by pressing and holding the Mono button for 2 seconds. The sound is no longer in stereo and stereo indicator disappears.

Recalling a preset in AM/FM mode

1. Press the Power button to switch on your radio.
2. Press the Band button to select AM or FM radio mode.
3. Momentarily press the required Preset button, the preset number and station frequency will appear on the display.

MISCELLANEOUS SETTINGS

Setting the clock

Clock can be set either when the radio is power on or off.

1. Long press the Time set button for more than 2 seconds, the display will flash time set symbol and the hour digit, followed by a beep.
2. Rotate the Tuning control knob to set the required hour.
3. Press the Tuning control knob to confirm hour setting, the minute digit will flash.
4. Rotate Tuning control knob to set the required minute.
5. Press the Tuning control knob to complete clock setting.

Setting the radio alarm

When the radio alarm is selected, the radio will turn on and play the chosen radio station at the chosen alarm time. The radio alarm will continue for one hour unless turned off by pressing the Power button. Pressing the Power button whilst the alarm is activated will cancel the alarm for 24 hours.

Note:

When the radio is in low battery status, the radio alarm can't be activated.

a. Setting radio alarm time:

1. Ensure that the clock time is set correctly before setting the alarms. The radio alarm can be set either when radio is on or off.
2. Press the Radio alarm button, the radio alarm symbol will flash.
3. During radio alarm symbol flashing, press and hold Time set button for more than 2 seconds followed by a beep. The hour digit will flash on the display.
4. Rotate the Tuning control knob to select the required alarm hour then press the Tuning control knob to confirm the setting. The minute digit will flash on the display.
5. Rotate the Tuning control knob to select the required alarm minute. Press Tuning control knob to complete the alarm time setting.

b. Setting radio alarmed station

1. During setting radio alarm time and the radio alarm symbol is flashing, press Band button to activate the radio to select required wake-up band and station by manual tuning or recall the preset stations. Rotate the

Tuning control knob to adjust the volume level. Press the Time set button to complete radio alarm setting.

The display will show radio alarm symbol.

When the radio alarm is activated, the alarm will go off in the Humane Waking System. It will increase its volume from 0 to your set volume.

2. When above radio alarm time and station are set, press and hold the Radio alarm button for 2 seconds followed by a beep to switch alarm on or off. Display will show radio alarm symbol when radio alarm is set.

Note:

- If new radio alarm station is not selected, it will select the last alarm station.
- If the selected AM/FM alarm station is not available when the alarm is sounding, the buzzer alarm will be used instead.

Setting the HWS (Humane Waking 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 HWS alarm will sound for one hour until turning off by pressing the Power button. Press the Power button whilst the alarm is activated will cancel the alarm for 24 hours.

1. Ensure that the clock time is set correctly before setting the alarms. The buzzer alarm can be set either when the radio is on or off.
2. Press the Buzzer alarm button, the buzzer alarm symbol will flash.
3. During the buzzer alarm symbol flashes, press and hold the Time set button for more than 2 seconds followed by a beep and the hour digit will flash on the display.
4. Rotate the Tuning control knob to select the required alarm hour then press the Tuning control knob to confirm the setting. The minute digit will flash on the display.
5. Rotate the Tuning control knob to select the required alarm minute. Press Tuning control knob to complete the buzzer alarm setting.
6. Press and hold the Buzzer alarm button for more than 2 seconds followed by a beep to switch on or off the HWS buzzer alarm. Display will appear the buzzer alarm symbol when buzzer alarm has been set.

Snooze

1. Whilst the alarm is activated, pressing any buttons except the Power button will activate the snooze function. The radio or HWS buzzer alarm will be silenced with interval of 5 minutes.

- The display will flash both the snooze symbol and the alarm symbol. The snooze function can be repeatedly during one hour that the alarms are active.

Sleep timer

The sleep timer will automatically switch off the radio after a preset time has elapsed.

- Press and hold the Power button for more than 2 seconds, followed by a beep tone, the display will cycle through the available sleep time in the order 60-45-30-15-120-90-60. Release the Power button when the required sleep time appears on the display. The sleep symbol will appear on the display and the radio will play the last station selected.
- To cancel the sleep function, press the Power button. The sleep symbol will disappear and radio is off.

Display illumination

Press any buttons or rotate Tuning control knob will illuminate the LCD display for approx. 15 seconds. During scanning stations and alarm activated will also automatically illuminate 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.

- Connect an external audio source (for example, MP3 or CD player) to the AUX IN socket.
- Press the Power button to switch on your radio.
- Repeatedly press and release the Band button until "AU" is displayed.
- 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. AUX can't be activated as alarm source.

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 adapter	DC 12V 0.7A, center pin positive
Battery	UM-3 (AA size) x 2 for back up Slide battery : 10.8V - 36V
Frequency coverage	FM 87.50-108 MHz (0.05MHz/step) AM (MW) 522-1,710 kHz (9kHz/step)

Circuit feature

Loudspeaker	3.5inches 8ohm x 2
Output power	10.8V-12V max : 1.2W x 2 14.4V : 2.2W x 2 18V : 3.5W x 2 36V : 5W x 2
Input terminal	3.5mm dia. (AUX IN)
Antenna system	FM : Built-in antenna AM : bar antenna
Dimensions (L x W x H)	278 x 170 x 298mm
Weight	4.3Kg (without battery)

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