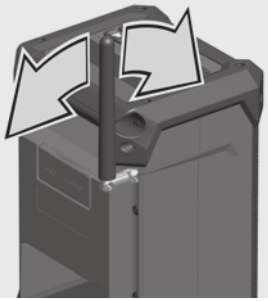
Nothing but **HEAVY DUTY.®**



M12 RCDAB+

Original instructions

11



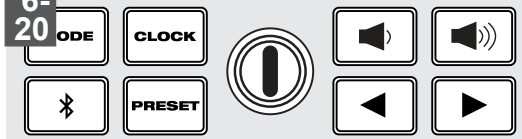
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Bluetooth®

23



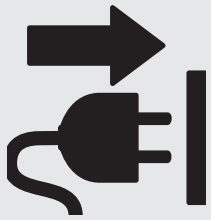
6-20



28 Text section with Technical Data, important Safety and Working Hints and description of Symbols

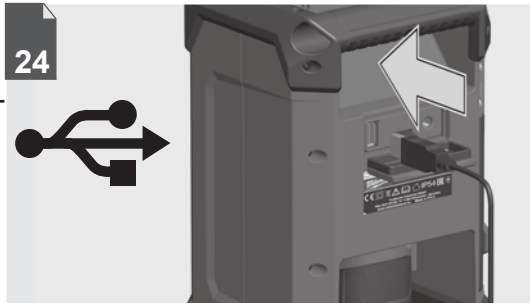


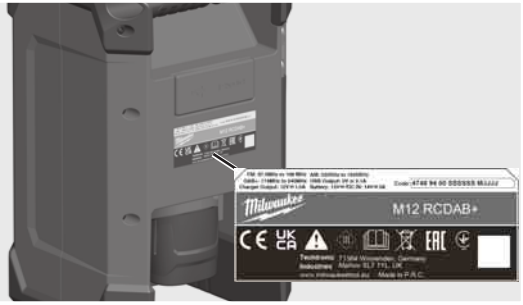
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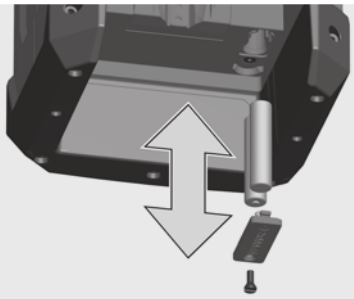


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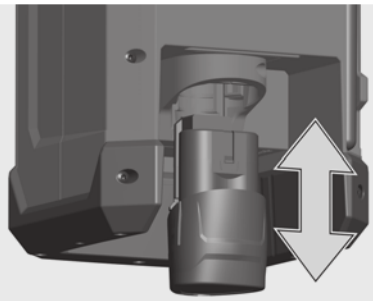


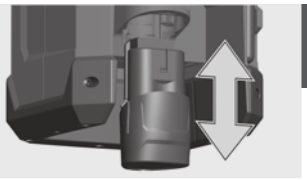


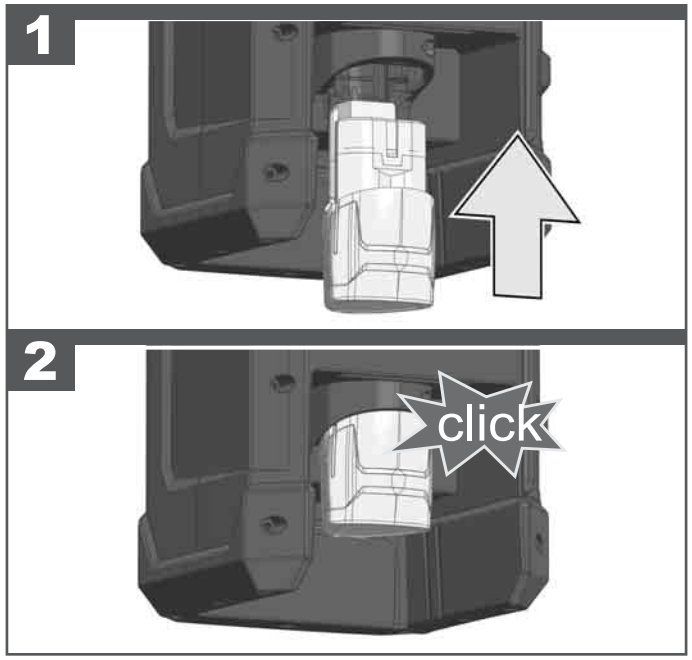
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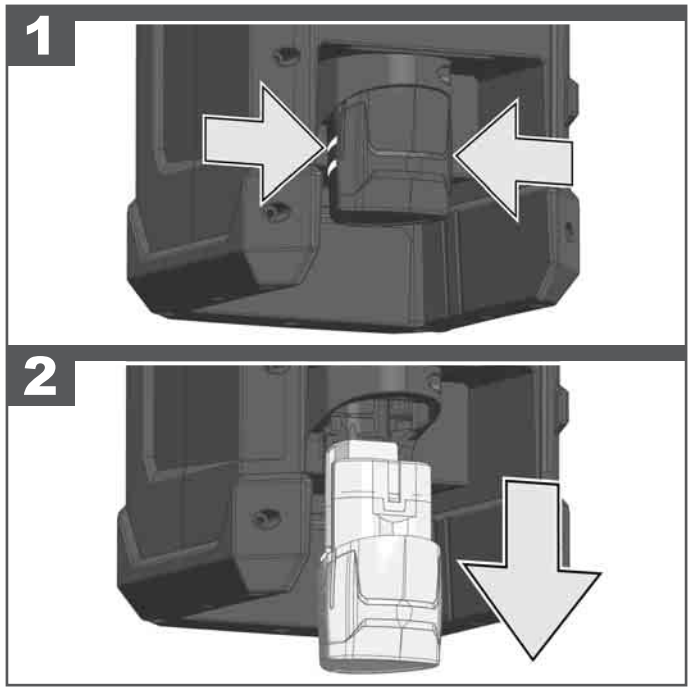


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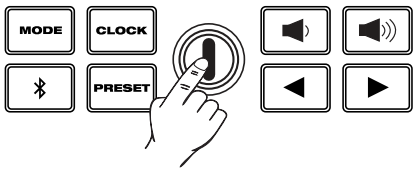




If the radio is connected to AC power, the battery is charging.
If the radio is not connected to AC power, the radio is on battery power.

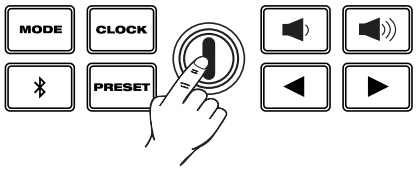
ON / OFF

ON





OFF



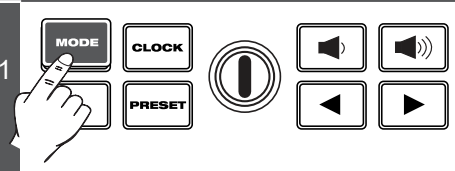


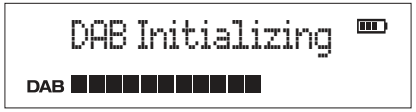
MODE SELECTION

1



DAB

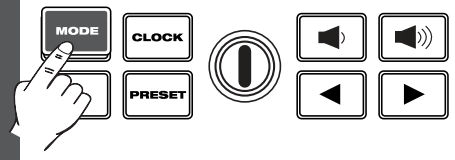




2



FM

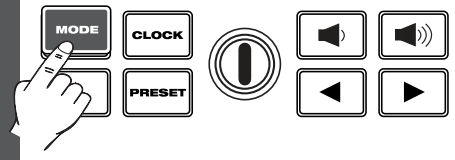


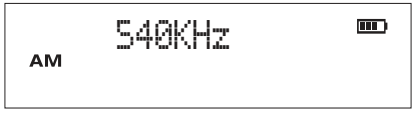


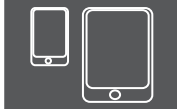
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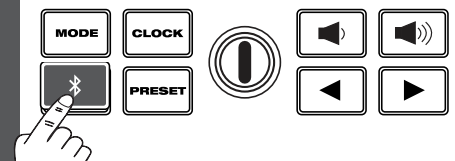
AM







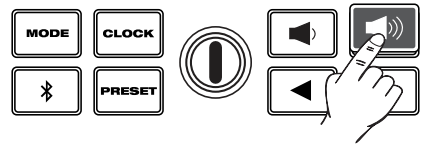
BLUETOOTH

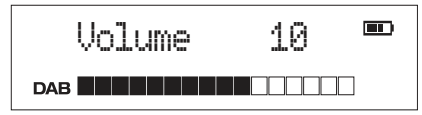




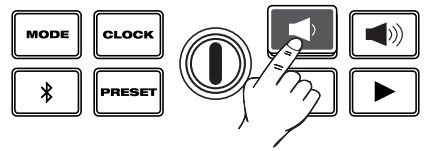
VOLUME

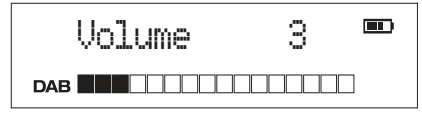








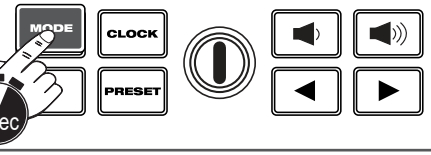


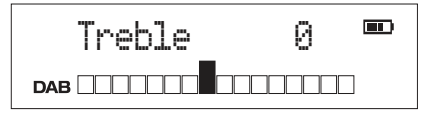


BASS / TREBLE

1

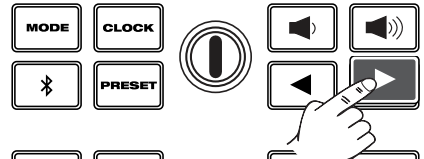
TREBLE

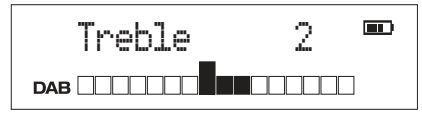




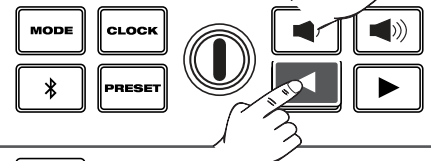
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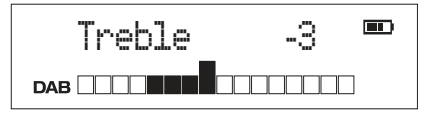
TREBLE +





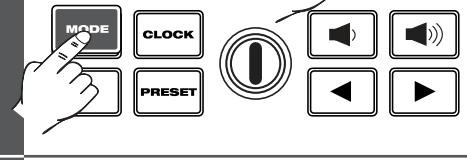
TREBLE -

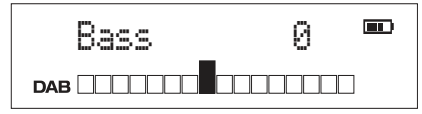




3

BASS

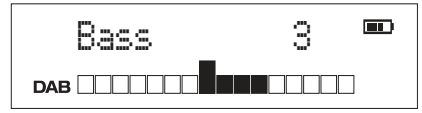




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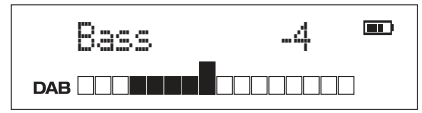
BASS +





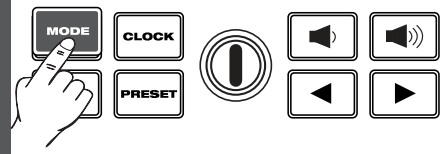
BASS -





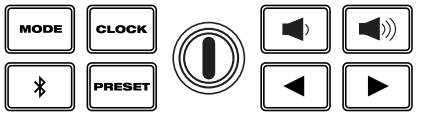
DAB

1



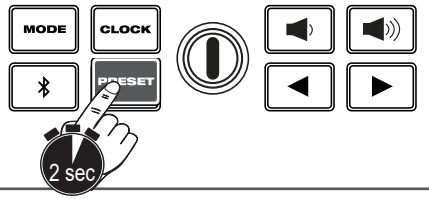
DAB Initializing
DAB

2



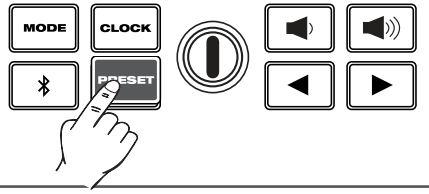
No DAB Station
DAB

3



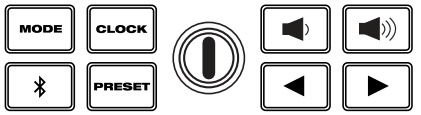
▶Auto Scan
DAB Manual Tune

4



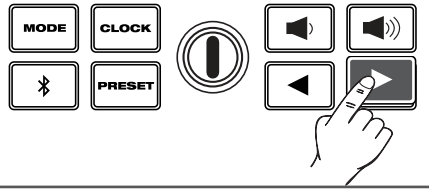
Scanning... 34
DAB

5



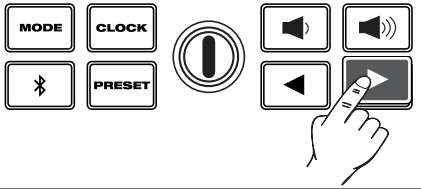
Milwaukee Radio
DAB Digital Mix

6



Hitradio
DAB Tophits 123

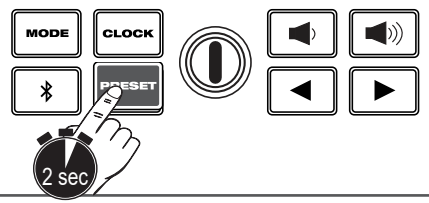
7



Digit one
DAB Best Mix

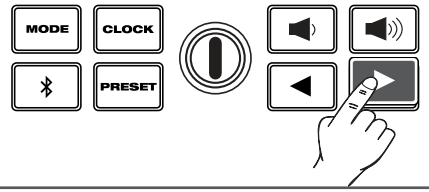
DAB Preset

1



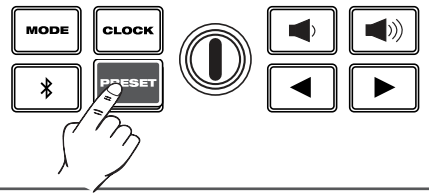
▶Auto Scan
DAB Manual Tune

2



Display Type
DAB ▶Store To Preset

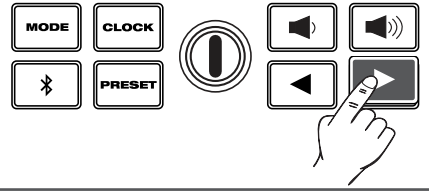
3



Store To
DAB ▶P01

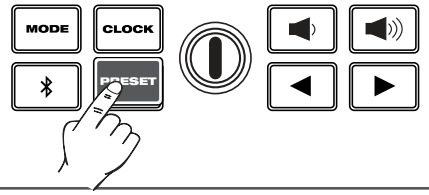
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P1...P9



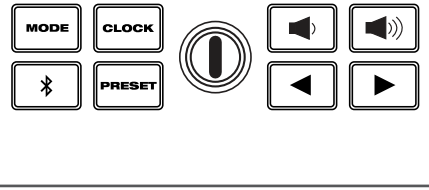
Store To
DAB ▶P02

5



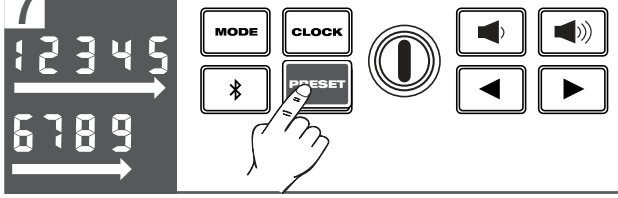
DAB Stored
PRESET 2

6



Milwaukee Radio
DAB Digital Mix
PRESET 2

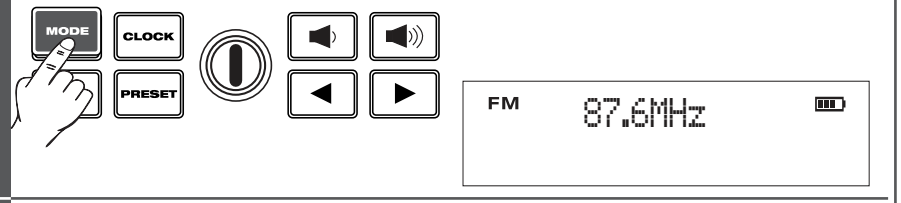
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Digit One
DAB Best Mix
PRESET 3

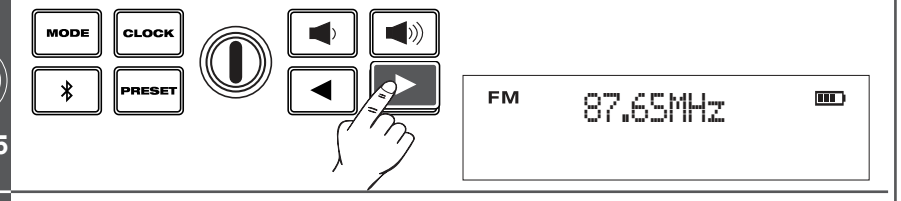
FM

1



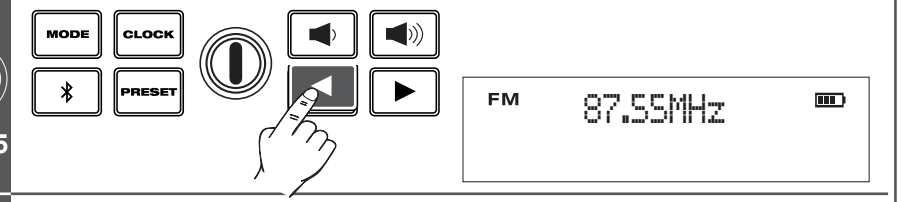
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87.6 ➡ 87.65



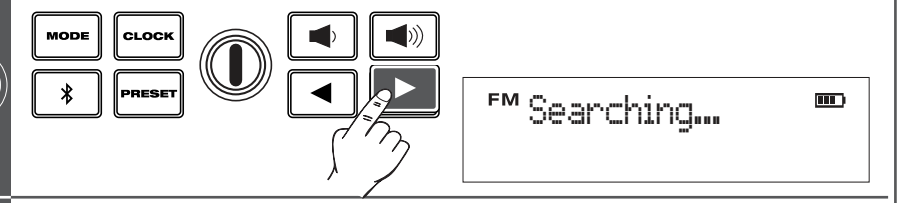
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87.55 ⬅ 87.65

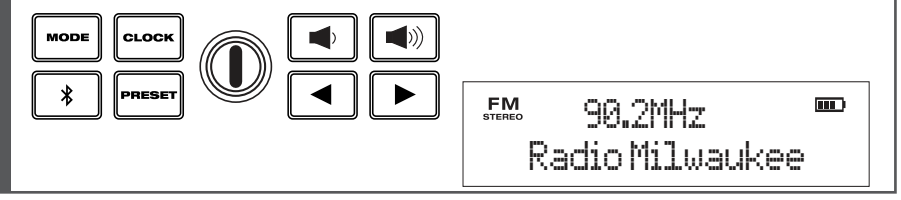


4

87.55➡➡90.2

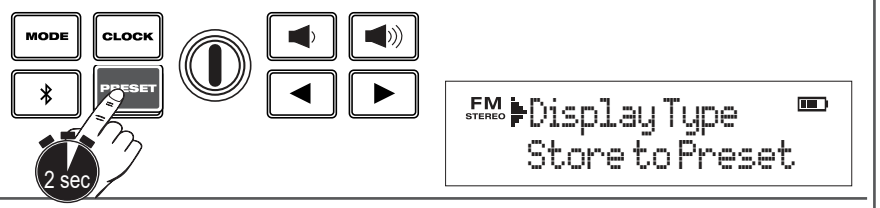


5

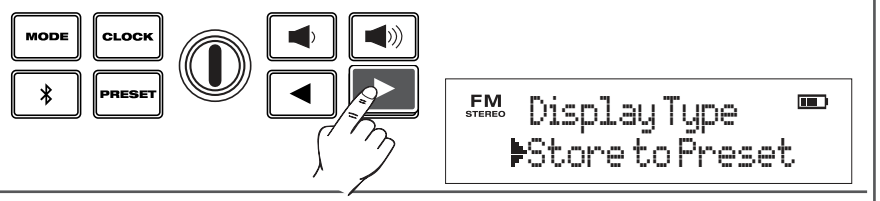


FM Preset

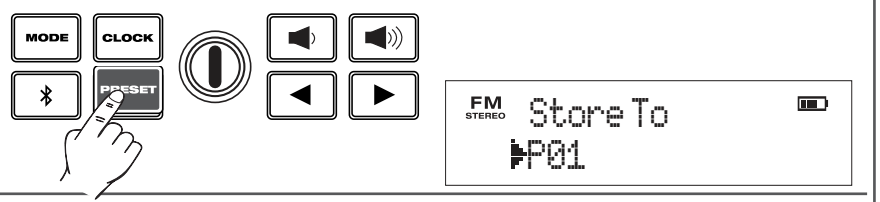
1



2

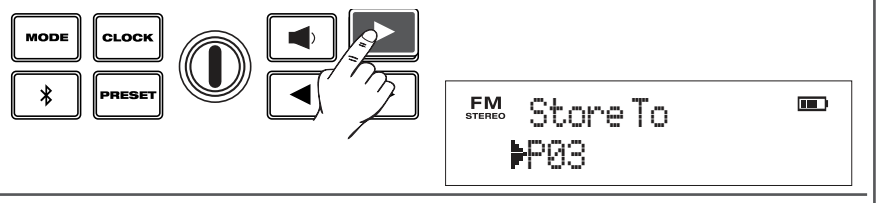


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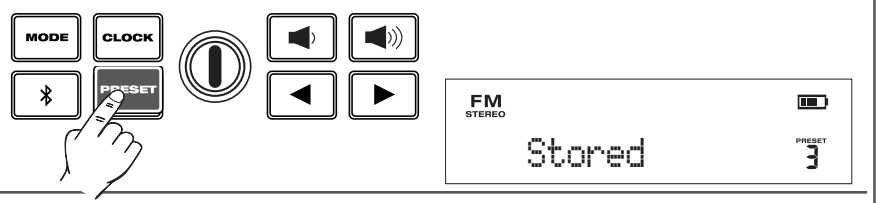


4

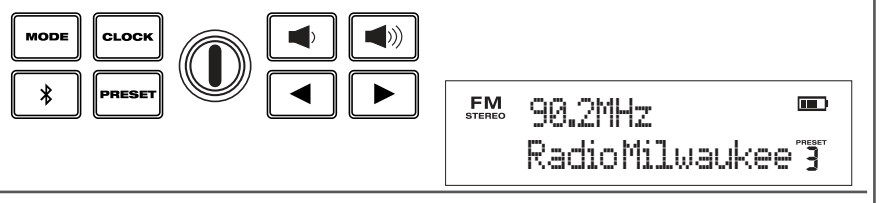
P1...P9



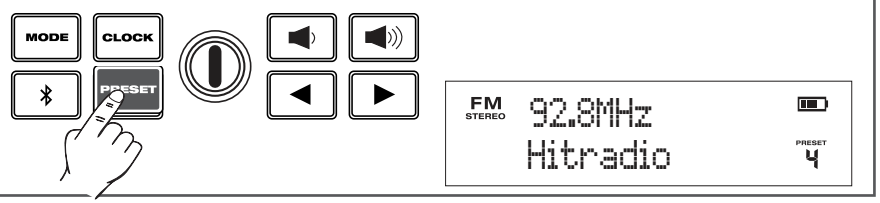
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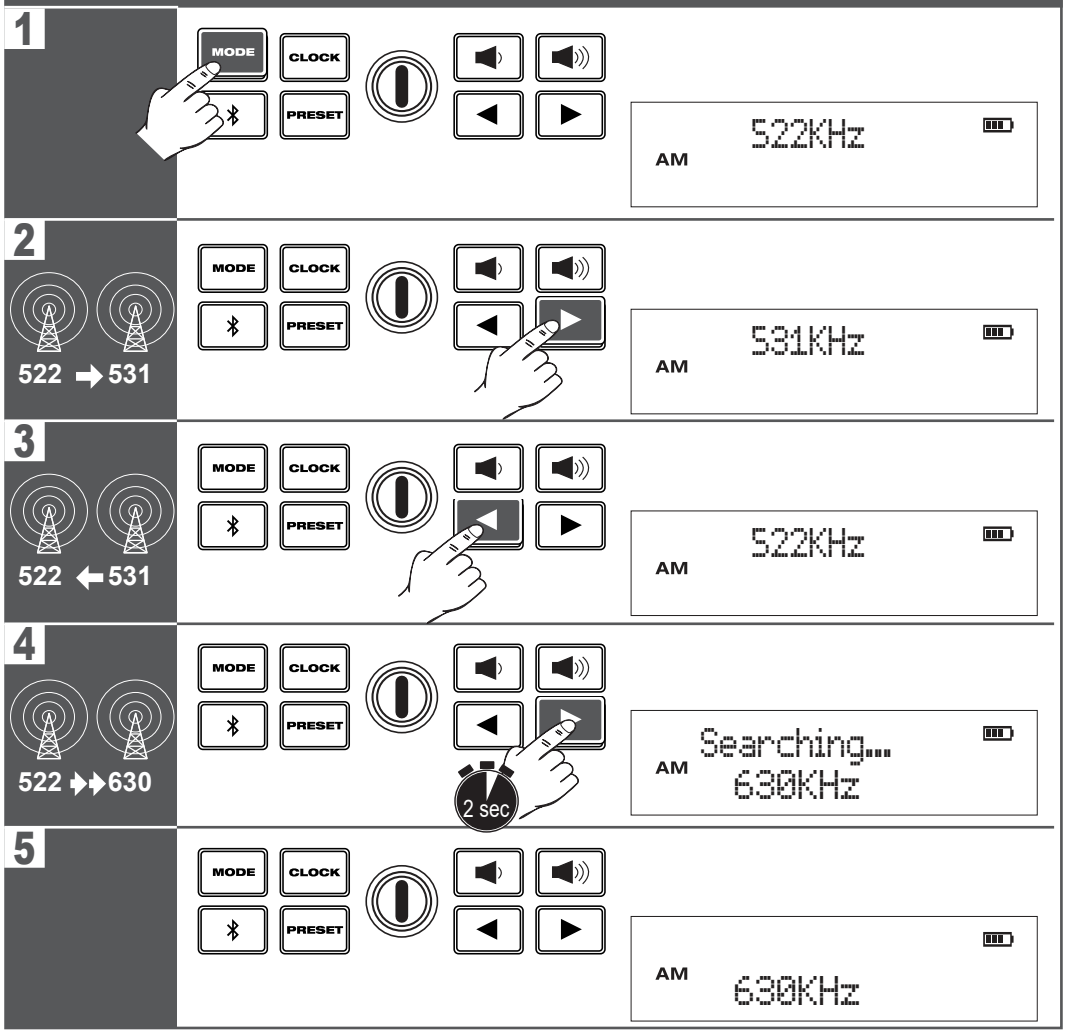
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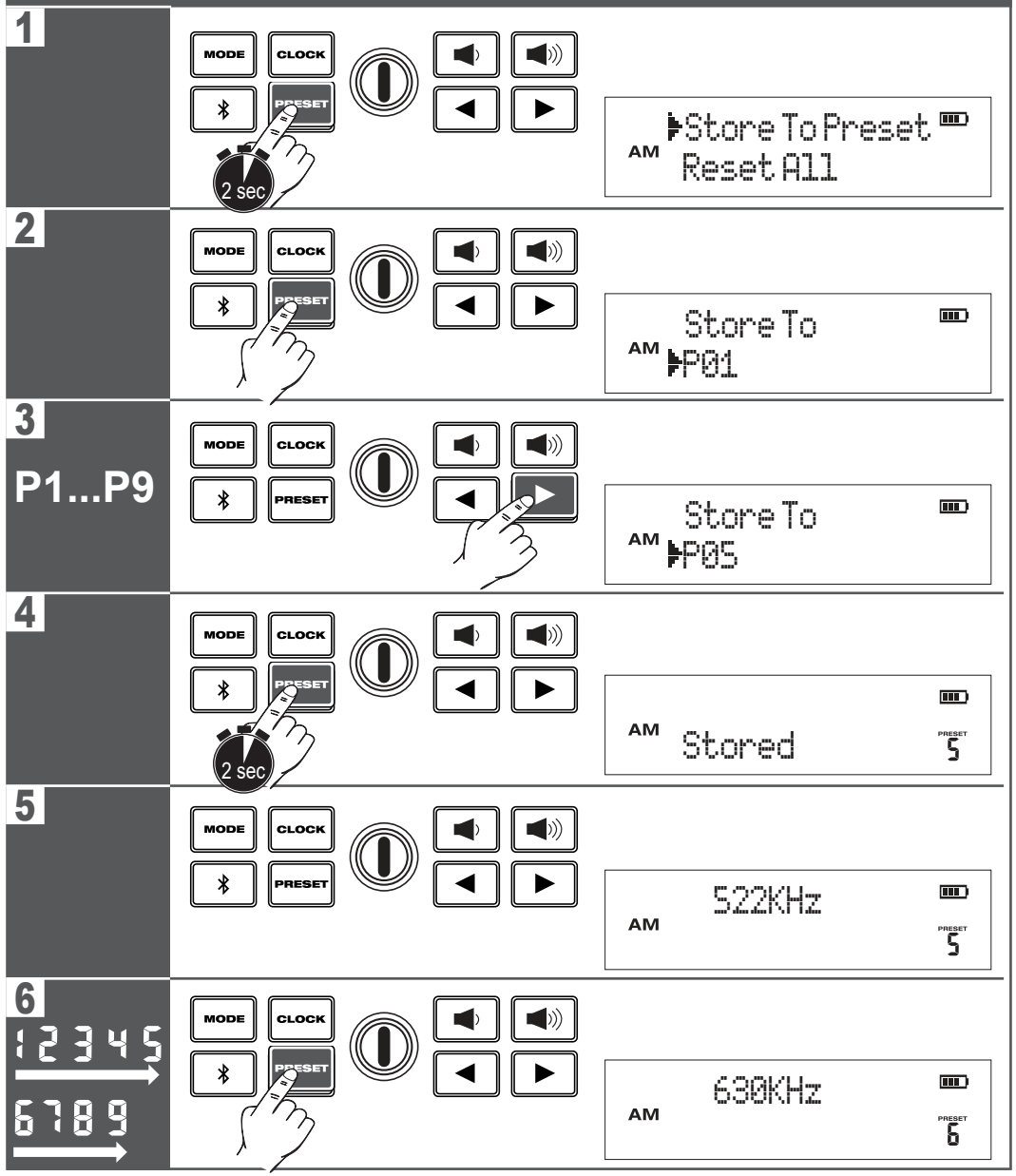
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AM

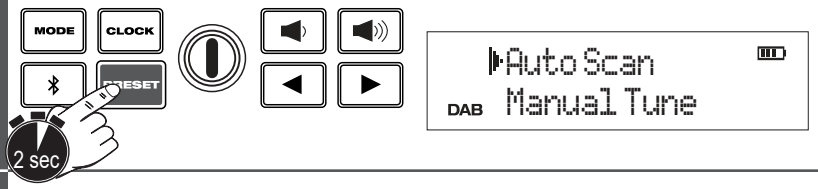

1
MODE
CLOCK
PRESET
AM
522KHz
2
522 ➡ 531
AM
531KHz
3
522 ⬅ 531
AM
522KHz
4
522 ➡➡ 630
2 sec
AM
Searching...
630KHz
5
AM
630KHz

AM Preset


1
MODE
CLOCK
PRESET
2 sec
AM
▶Store To Preset
Reset All
2
AM
Store To
▶P01
3
P1...P9
AM
Store To
▶P05
4
2 sec
AM
Stored
PRESET
5
AM
522KHz
PRESET
5
6
1 2 3 4 5
6 7 8 9
AM
630KHz
PRESET
6

Display Type DAB

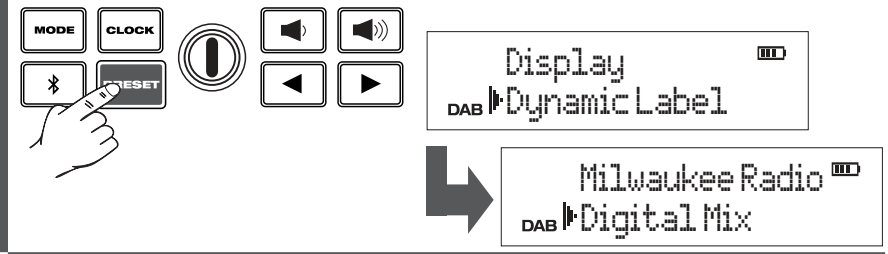
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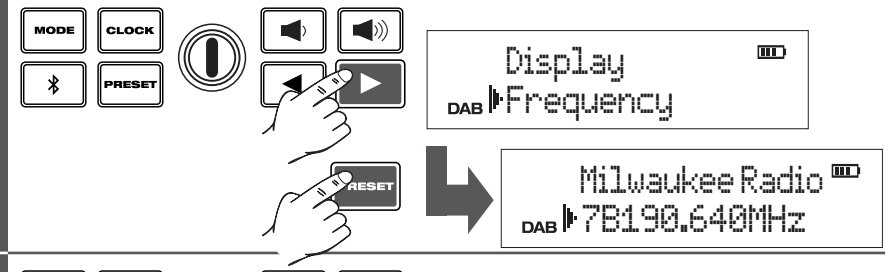
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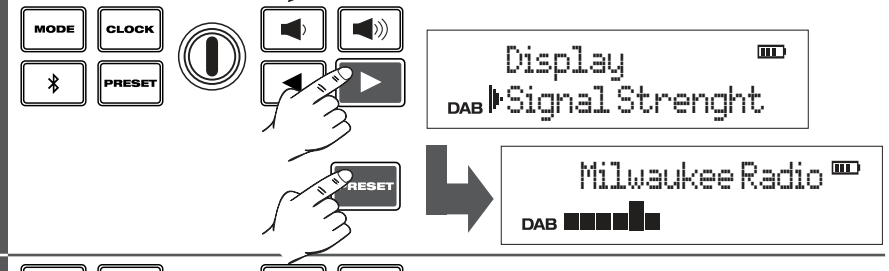
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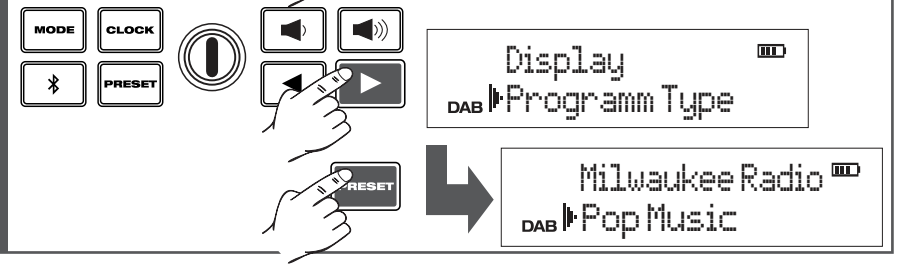
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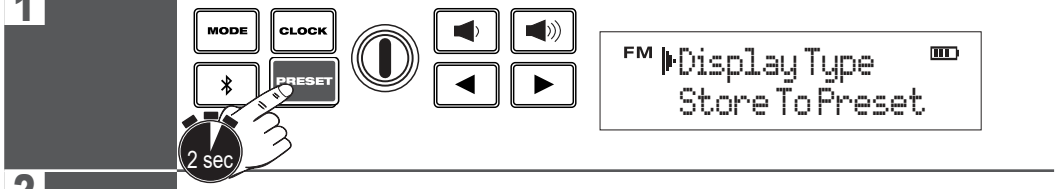


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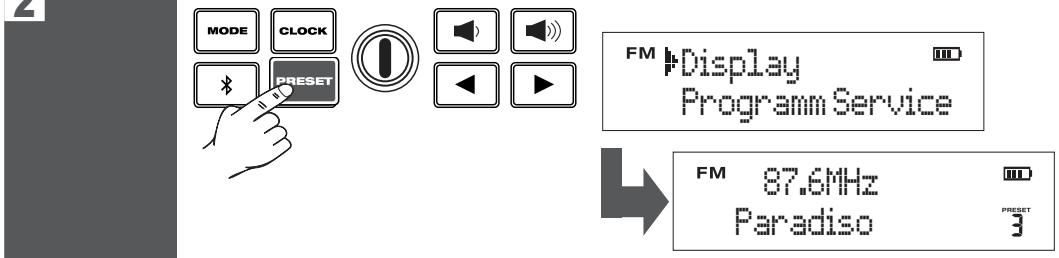


Display Type FM

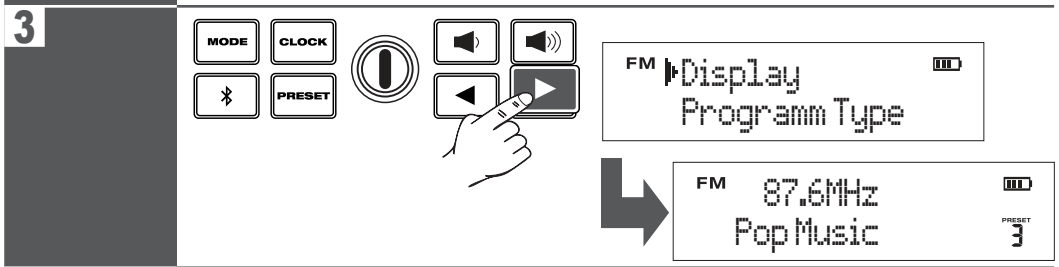
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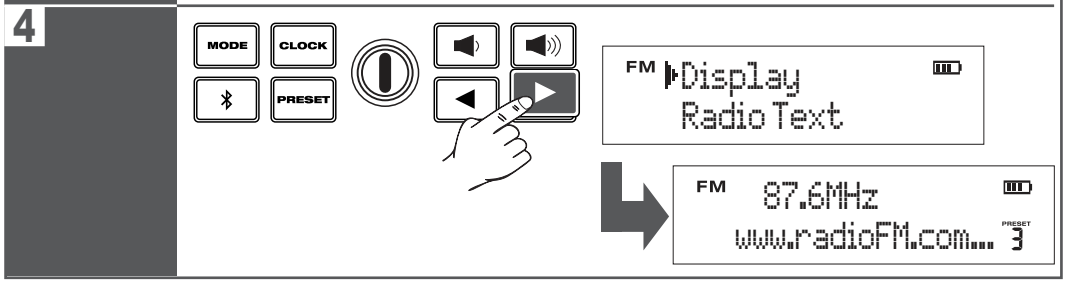
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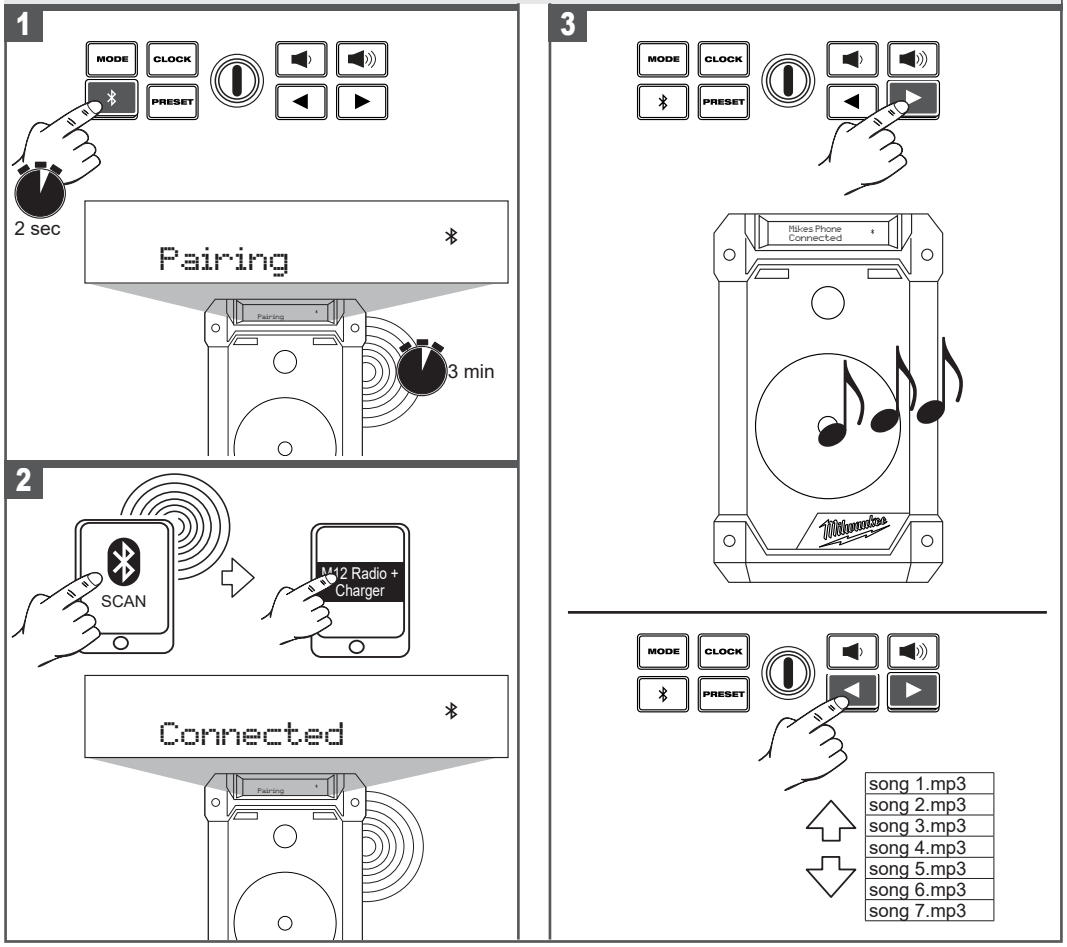
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BLUETOOTH

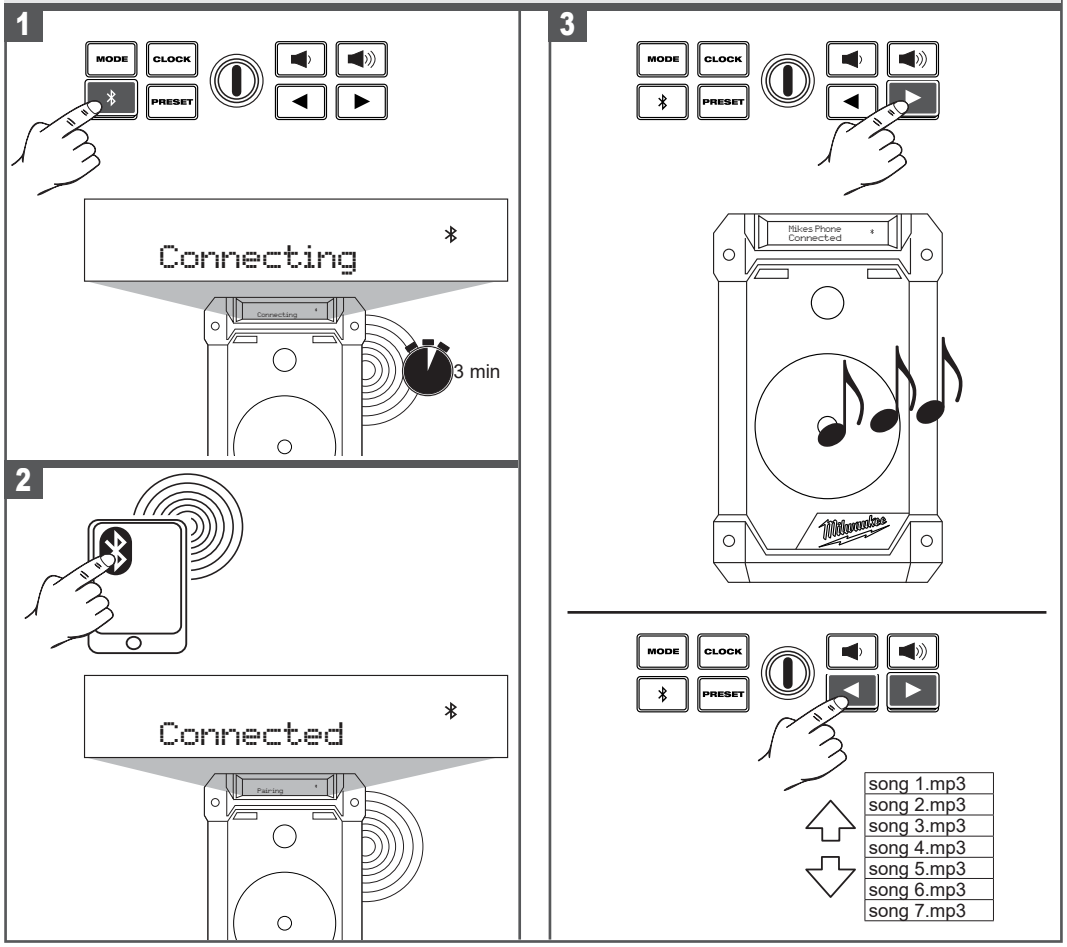
PAIRING

For first connection to a Bluetooth device, the Pairing must be performed.



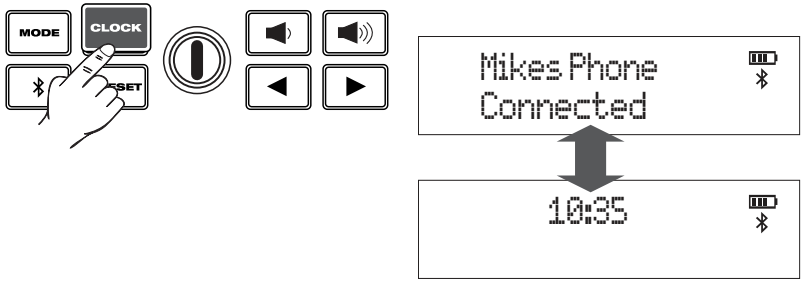
Connecting

When the radio locates an already paired Bluetooth device, the name of the device will be shown on the radio's display.

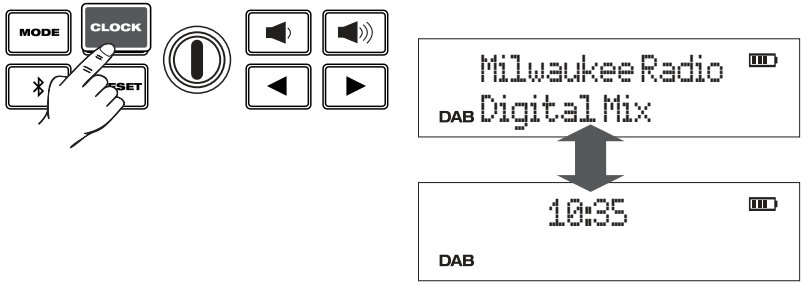


Clock ↔ /DAB/FM/AM

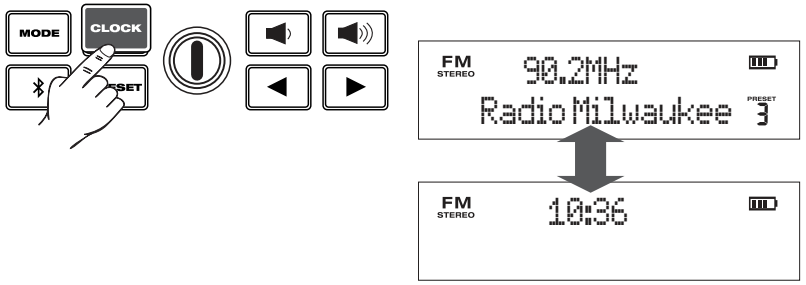
Bluetooth



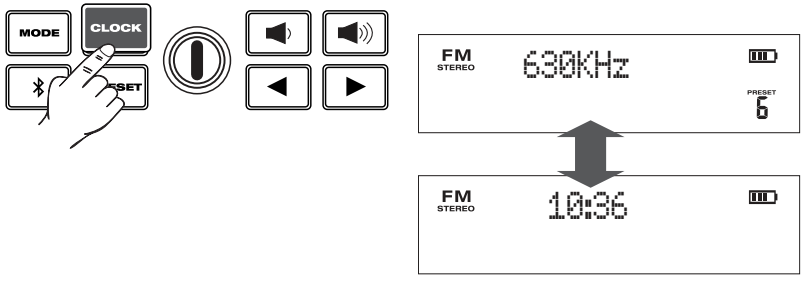
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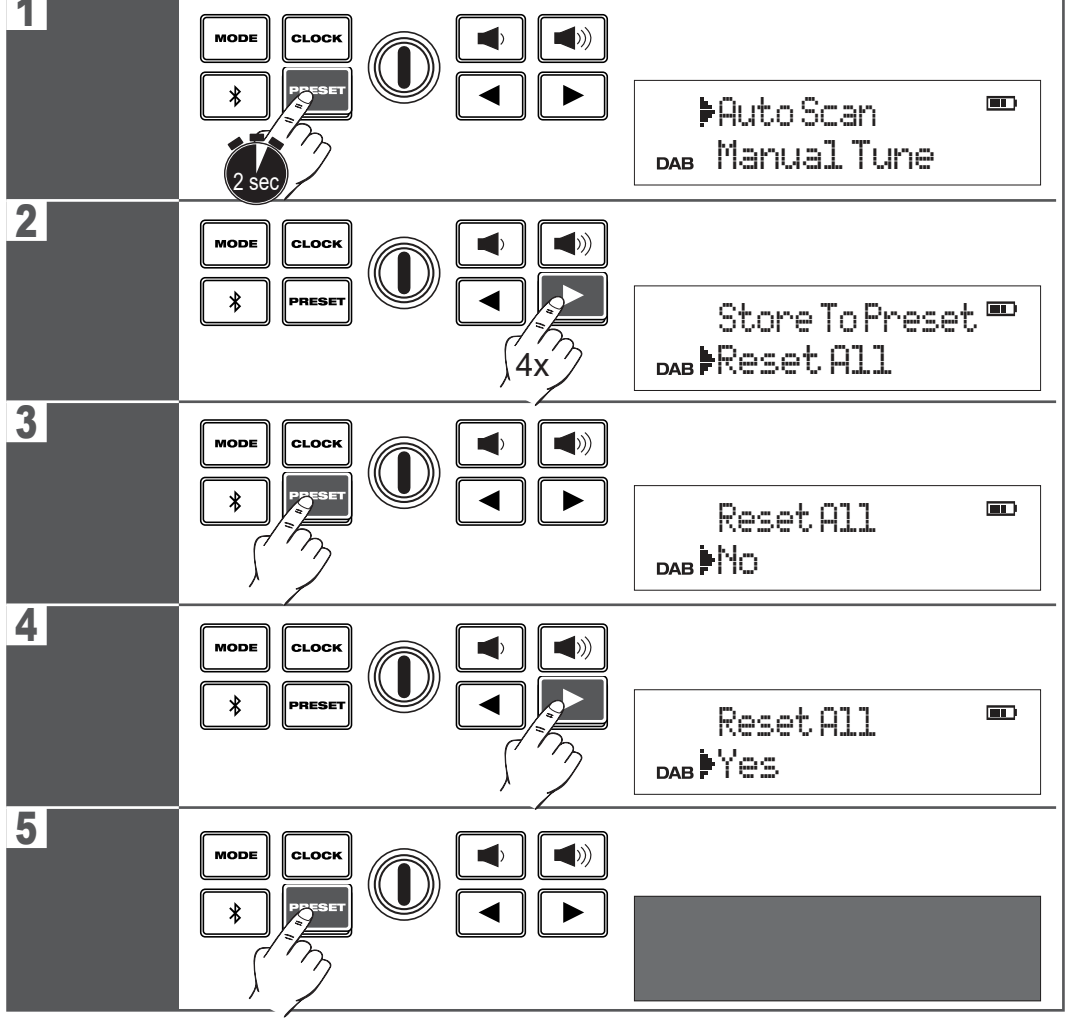
FM



AM

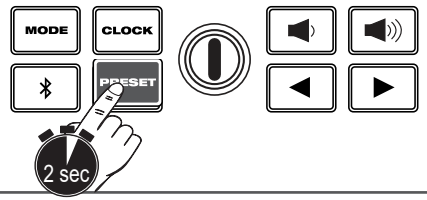


Reset All

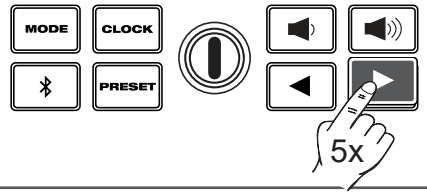


Firmware Version

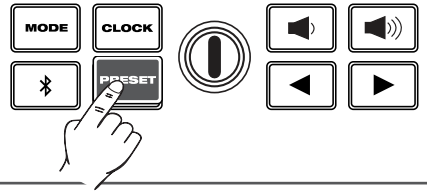
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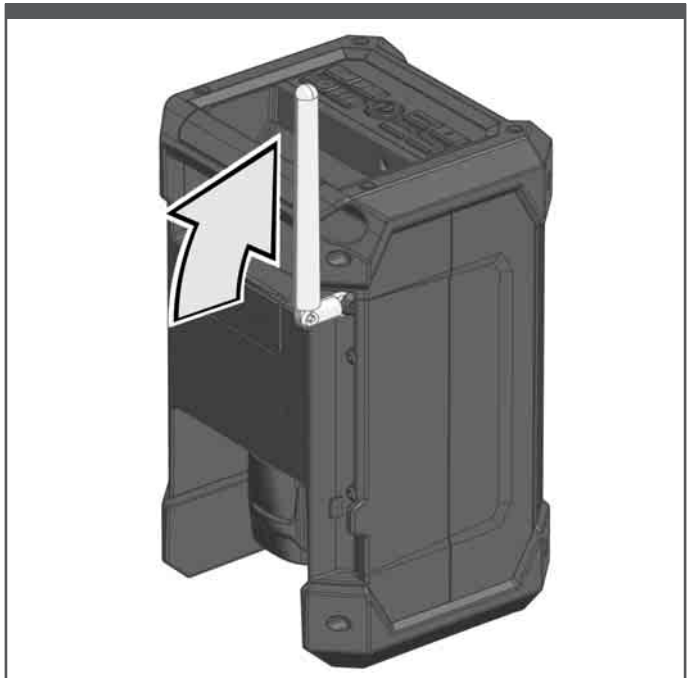
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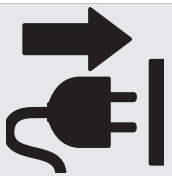
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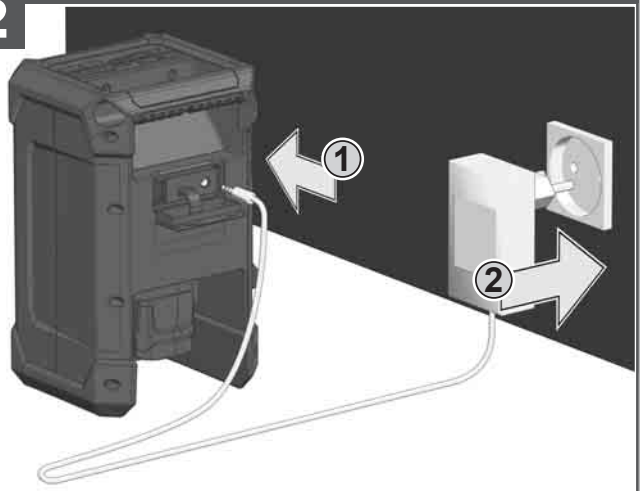




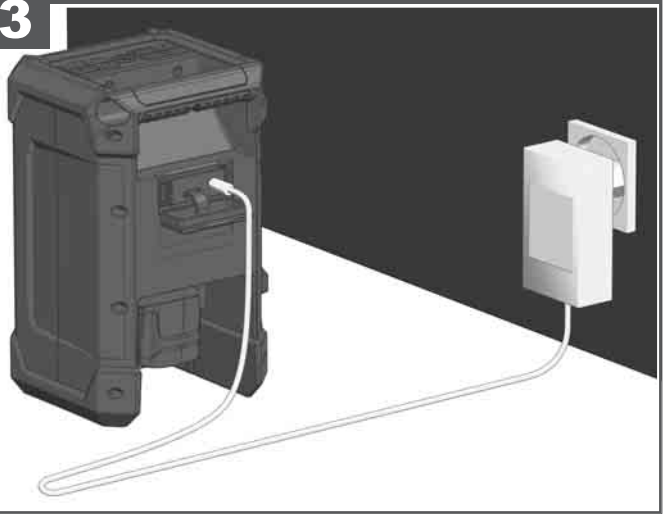
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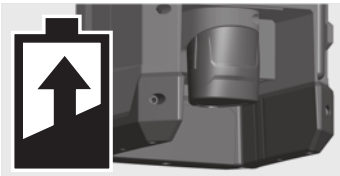


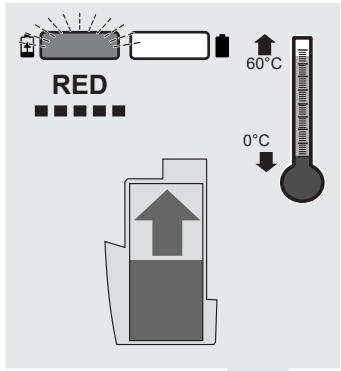
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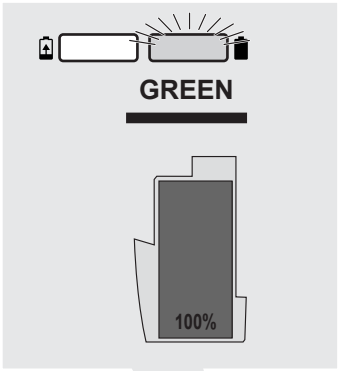


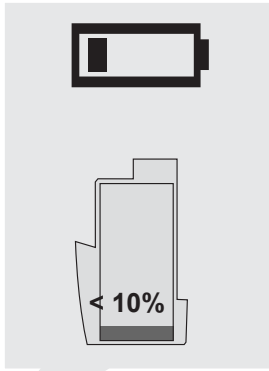
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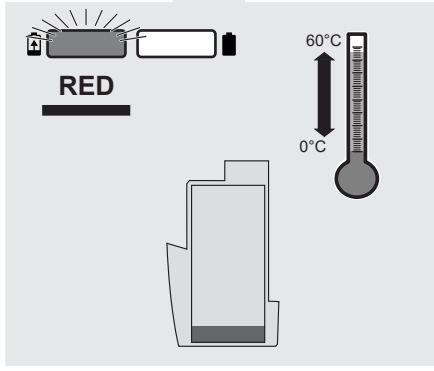








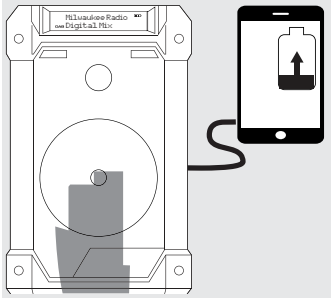




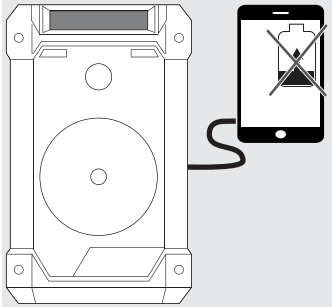


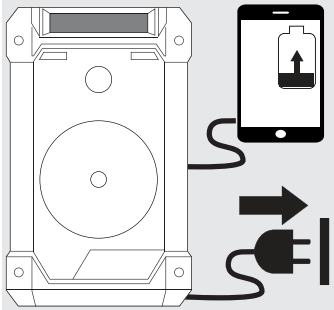


ON



OFF

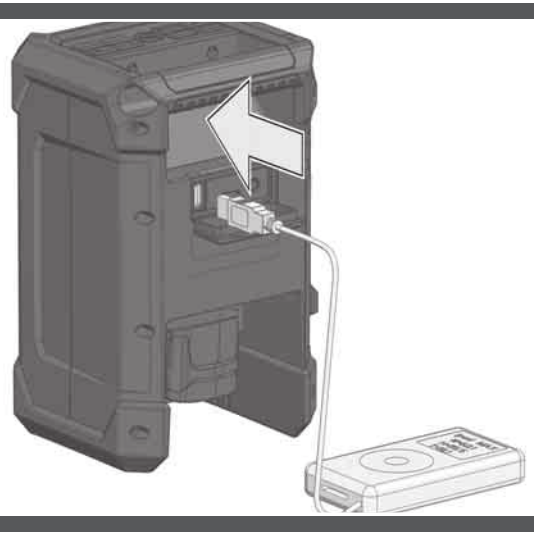




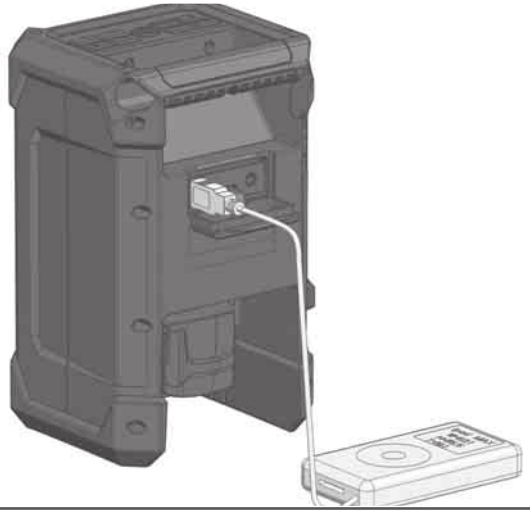
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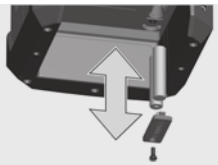
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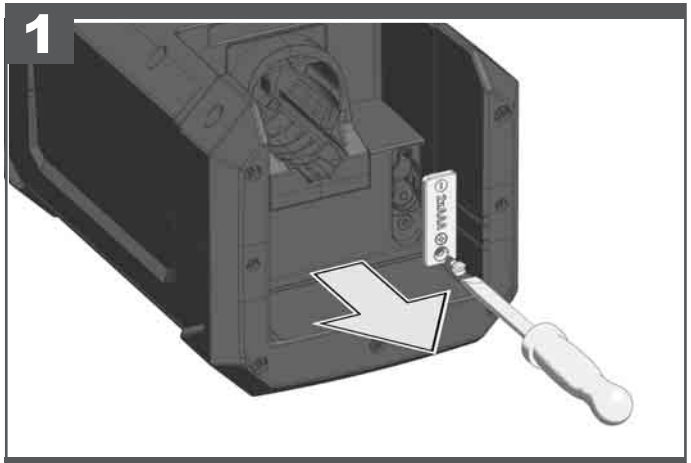
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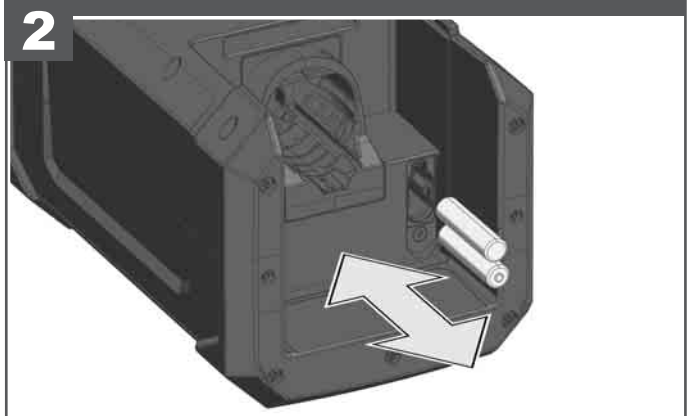


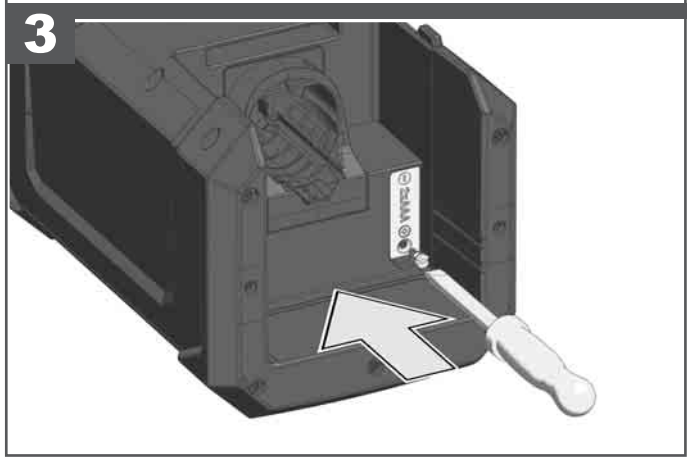
Devices connected to the USB port are supplied with power.
Any device that uses more than 2,1 A of DC electrical current
will trip a self-resetting function and disable the output.



Batteries for backup when battery pack is removed.







TECHNICAL DATA RADIO CHARGER M12 RCDAB+

AC/DC Adaptor input		100-240 V
AC/DC Adaptor output		14 V
Rated input		42 W
Battery Voltage		12 V
Weight without packing and battery		1,75 kg
Tuning range AM		522 - 1620 kHz
Tuning range FM		87,5 - 108 MHz
Tuning range DAB+		174 - 240 MHz
Charger output		12 V
Quick charge current		1 A
USB output		5,0 V / 2,1 A
Protection class		IP40 / IP54
Bluetooth Version		4.2
Frequency band(s) of Bluetooth		2402-2480 MHz
Maximum radio-frequency power transmitted in the frequency band(s)		5,81 dBm
Charge Time		
Li-Ion 12 V / 1.5 Ah	about	1,5 h
Li-Ion 12 V / 2.0 Ah	about	2 h
Li-Ion 12 V / 3.0 Ah	about	3 h
Li-Ion 12 V / 4.0 Ah	about	4 h
Li-Ion 12 V / 6.0 Ah	about	6 h
Recommended ambient operating temperature		-18 …. +40 °C
Recommended battery Type		M12B...

⚠ **WARNING! Read all safety warnings and all instructions.** Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.
Save all warnings and instructions for future reference.

RADIO SAFETY WARNINGS

Never disassemble or modify this apparatus in any way.

Do not use this apparatus near water.

Clean only with dry cloth. Certain cleaning agents and solvents are harmful to plastics and other insulated parts. Keep the apparatus handle clean, dry and free of oil or grease.

Refer all servicing to qualified service personnel.

Do not install near any heat sources.

The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, table-cloths, curtains, etc.

No flame sources, such as lighted candles, should be placed on the apparatus.

It shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

Do not place the product in closed bookcases or racks without proper ventilation.

Where the mains plug is used as the disconnect device, the disconnect device shall remain readily operable.

Do not stand on unit.

Warning! To reduce the risk of fire, personal injury, and product damage due to a short circuit, never immerse your tool, battery pack or charger in fluid or allow a fluid to flow inside them. Corrosive or conductive fluids, such as seawater, certain industrial chemicals, and bleach or bleach containing products, etc., can cause a short circuit.

CHARGER SAFETY WARNINGS

Do not dispose of used battery packs in the household refuse or by burning them. Milwaukee Distributors offer to retrieve old batteries to protect our environment.

Do not store the battery pack together with metal objects (short circuit risk).

Use only Milwaukee M12 System chargers for charging Milwaukee M12 System battery packs. Do not use battery packs from other systems.

Caution! Danger of explosion if battery is incorrectly replaced. **Replace only with the same or equivalent type.**

The following battery packs can be charged with this charger:

Battery Cat. No.	Cell Type	DC Volts	Capacity	Cell No.
M12B	Li-Ion	12 V	≤ 1.5 Ah	3
M12BX	Li-Ion	12 V	≤ 3.0 Ah	2 x 3
M12B2	Li-Ion	12 V	≤ 2.0 Ah	3
M12B3	Li-Ion	12 V	≤ 3.0 Ah	3
M12B4	Li-Ion	12 V	≤ 4.0 Ah	2 x 3
M12B6	Li-Ion	12 V	≤ 6.0 Ah	2 x 3

Do not try to charge non-rechargeable batteries with this charger.

No metal parts must be allowed to enter the battery section of the charger (short circuit risk).

Caution!
Risk of explosion if the battery is replaced by an incorrect type;

- high or low extreme temperatures that a battery can be subjected to during use, storage or transportation,
- low air pressure at high altitude,
- replacement of a battery with an incorrect type that can defeat a safeguard (for example in the case of some lithium battery types),
- disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery,
- or leaving a battery in an extremely high temperature surrounding environment that can result in an explosion or the leakage of flammable liquid or gas,
- or a battery subjected to extremely low air pressure that may result in an explosion or the leakage of flammable liquid or gas.

Never break open battery packs and chargers and store only in dry rooms. Keep dry at all times.

Do not touch the tool with conducting objects.

Never charge a damaged battery pack. Replace by a new one.

Before use check machine, cable, and plug for any damages or material fatigue. Repairs should only be carried out by authorised Service Agents.

This appliance is not intended to be used or cleaned by persons with reduced physical, sensory or mental capabilities, or lack of experience or knowledge, unless they have been given instructions concerning the safe use of the appliance by a person legally responsible for their safety. They should be supervised whilst using the appliance. Children shall not use, clean or play with this appliance, which when not in use should be secured out of their reach.

SPECIFIED CONDITIONS OF USE

The radio charger can charge Milwaukee System 12 V batteries.

The radio is suitable for reception of broadcasting and to import audio sound of different devices via Bluetooth and analog audio connection.

Via USB connection the radio can charge USB devices.

This radio is designed to withstand harsh operating environments as well as unintentional drops.

Do not use this product in any other way as stated for normal use.

EC-DECLARATION OF CONFORMITY

Hereby, Techtronic Industries GmbH declares that the radio equipment type M12 RC is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: http://services.milwaukeetool.eu.

MAINS CONNECTION

Connect only to single-phase a.c. current and only to the system voltage indicated on the rating plate. It is also possible to connect to sockets without an earthing contact as the design conforms to safety class II.

BATTERIES

Low Battery Indicator:
When the radio is powered by a battery pack and its charge falls below 10%, the low battery indicator is displayed.

Battery Pack Protection:
To protect the life of the battery pack, the radio will shut off when the battery's charge becomes too low. If this happens, plug radio charger to a mains connection and charge the battery pack.

Battery packs which have not been used for some time should be recharged before use.

Temperatures in excess of 50°C (122°F) reduce the performance of the battery pack. Avoid extended exposure to heat or sunshine (risk of overheating).

The contacts of chargers and battery packs must be kept clean.

For an optimum life-time, after use, the battery packs have to be fully charged.

CHARGER CHARACTERISTICS

After inserting the battery into the reception of the charger the battery will automatically be charged (red lamp is illuminated continuously)

When a hot or cold battery pack is inserted into the charger (flashing red lamp), charging will begin automatically once the battery reaches the correct chaging temperature (0°C...60°C).

Charging time varies depending on the battery temperature, charge needed and the type of battery pack being charged.

If both LEDs flash at the same time, either the battery has not been completely mounted or there is a fault in the battery or the charger. For safety reasons you must stop using the charger and battery immediately and have them inspected by an Milwaukee Customer Service Centre.

BUTTONS

- Power on
- Power off

MODE
- cycle between DAB, FM, AM
- Bass and treble - press and hold

PRESET
- enter menu - press and hold
- select menus
- cycle trough presets in AM or FM mode

CLOCK
- display time
- setting time - press and hold

- entering Bluetooth mode directly

- Volume

- tuning in AM or FM mode
- seeking in AM or FM mode - press and hold
- selecting in DAB mode next station
- skipping in Bluetooth mode
- cycle between menu items

BLUETOOTH

Pairing

For first connection to a Bluetooth device, the Pairing must be performed.

Press the Bluetooth button (hold 2 sec).

If no Bluetooth device is connected, Bluetooth pairing will begin automatically and the icon will flash on the display.

The radio will continue to search for a signal for 3 minutes.

To manually pair a device, press and hold Bluetooth button until the icon begins to flash.

While the is flashing, select "M18 Package Radio" on the Bluetooth capable device.

On some devices you may need to enter PIN "0000".

Once the device has successfully paired with the radio, the will be shown on the radio's display.

Connecting

Press the Bluetooth button.

When the radio locates a paired Bluetooth device, the name of the device will be shown on the radio's display.

If connection is lost between the radio and the Bluetooth device, the radio will try to reconnect automatically for up to 3 minutes.

Controlling

When streaming music through to the radio via a Bluetooth device, use the button to start and pause the music. Use the ◄ and ► to move through the tracks.

TRANSPORTING LITHIUM BATTERIES

Lithium-ion batteries are subject to the Dangerous Goods Legislation requirements.

Transportation of those batteries has to be done in accordance with local, national and international provisions and regulations.

- The user can transport the batteries by road without further requirements.
- Commercial transport of Lithium-Ion batteries by third parties is subject to Dangerous Goods regulations. Transport preparation and transport are exclusively to be carried out by appropriately trained persons and the process has to be accompanied by corresponding experts.

When transporting batteries:

- Ensure that battery contact terminals are protected and insulated to prevent short circuit.
- Ensure that battery pack is secured against movement within packaging.
- Do not transport batteries that are cracked or leak.

Check with forwarding company for further advice

HINTS FOR GOOD RADIO RECEPTION

Place the radio close to the window, walls can reduce the radio signal.

Do not place the radio near interfering frequencies (computers, microwaves).

Turn the antenna to different positions/directions.

The field strength display makes it easier to find an optimum position in the room or the best antenna setting. To do this, press the PRESET key until the field strength is displayed in the bottom line (see illustration). Then position the radio until as many bars of the field strength display as possible are shown.



MAINTENANCE

If the supply cord of this appliance is damaged, it must only be replaced by a repair shop appointed by the manufacturer, because special purpose tools are required

Use only Milwaukee accessories and Milwaukee spare parts. Should components need to be replaced which have not been described, please contact one of our Milwaukee service agents (see our list of guarantee/service addresses).

If needed, an exploded view of the tool can be ordered. Please state the ten-digit No. as well as the machine type printed on the label and order the drawing at your local service agents or directly at: Techtronic Industries GmbH, Max-Eyth-Straße 10, 71364 Winnenden, Germany.

SYMBOLS


CAUTION! WARNING! DANGER!


Always disconnect the plug from the socket before carrying out any work on the machine.


Remove the battery pack before starting any work on the machine.


Please read the instructions carefully before starting the machine.


Class II tool, tool in which protection against electric shock does not rely on basic insulation only, but in which additional safety precautions, such as double insulation or reinforced insulation, are provided.
There being no provision for protective earthing or reliance upon installation conditions.


Safety class III


Caution! Risk of electric shock.


Indoor or dry location use only.



Switch mode power supply unit
Degree of protection provided by enclosure
Rated ambient temperature



Max. altitude 5000 m



Energy Efficiency Level VI


Short-circuit-proof safety isolating transformer


The power supply unit shall not be used, if pins of the plug part are damaged


Symbol indicating the positive/negative of output terminal


Do not burn used battery packs.


Never charge a damaged battery pack.
Replace by a new one.


Do not dispose of waste batteries, waste electrical and electronic equipment as unsorted municipal waste.
Waste batteries and waste electrical and electronic equipment must be collected separately.
Waste batteries, waste accumulators and light sources have to be removed from equipment.
Check with your local authority or retailer for recycling advice and collection point.
According to local regulations retailers may have an obligation to take back waste batteries and Waste electrical and electronic equipment free of charge.
Your contribution to re-use and recycling of waste batteries and waste electrical and electronic equipment helps to reduce the demand of raw materials.
Waste batteries, in particular containing lithium and waste Electrical and electronic equipment contain valuable, recyclable materials, which can adversely impact the environment and the human health, if not disposed of in an environmentally compatible manner.
Delete personal data from waste equipment, if any.


European Conformity Mark



British Confomity Mark



Ukraine Conformity Mark


EurAsian Conformity Mark

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