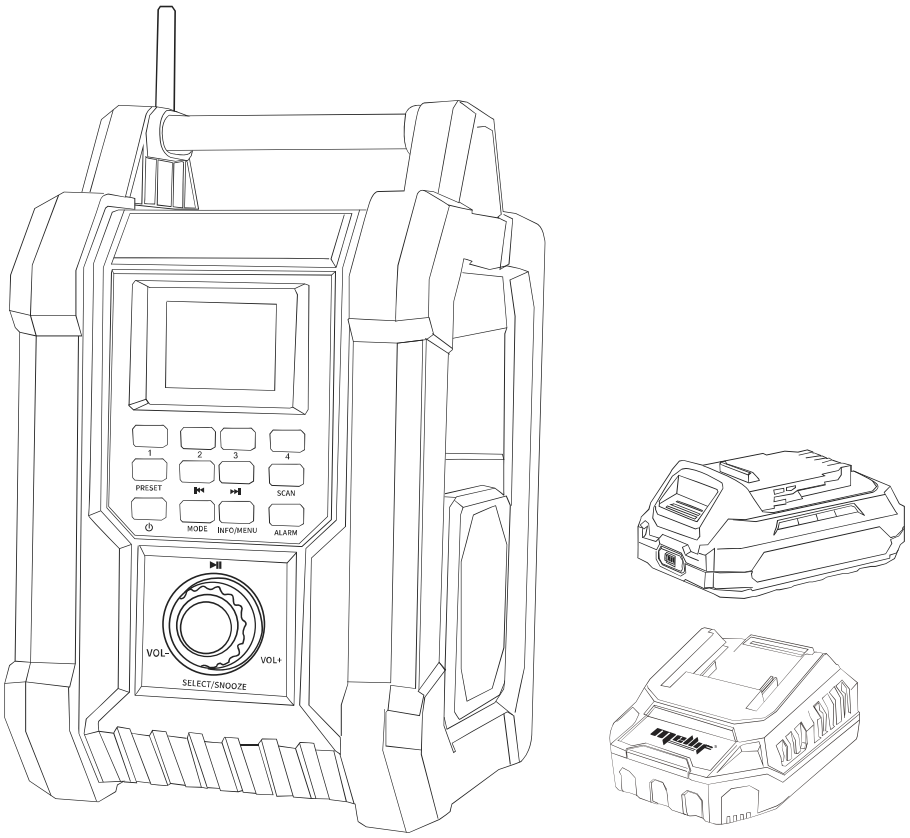
YOUR ULTIMATE POWER TOOL PARTNER

AM/FM/Bluetooth radio

Manual Instruction



Model: MFBSPK01

20V Li-ion Battery & Battery Charger Included

Note: Please read this manual carefully before using.

MADE IN CHINA

1.Handle
2.LCD Display Screen
3.Shortcut Keys for Preset Stations
4.Preset Button
5.Previous track/Rewind button
6.Next track/Fast-forward button
7.Scan Button
8.Power Button
9.Mode Selection
10.EQ Mode Selection
11.Backlit Adjustment Button
12.Volume adjustment key
13.Play/Pause Button
14.Radio Antenna
15.Battery Compartment
16.Speaker
17.Auxiliary input socket
18.DC in socket
19.Battery compartment locker/Mobile (Cell phone) placing panel
20.20V 2.0Ah Battery
21.20V 2.0A Charger

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 speaker 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 speaker 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 behavior 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. The MAINS plug is used as the disconnect device, and it shall remain readily operable.
15. Do not use the product at a high volume for any extended period. To avoid hearing damage, use the product at moderate volume level.
16. (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.
17. Do not expose the product to rain or wet conditions. Water entering the product will increase the risk of electric shock.
18. 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.
19. Do not heat or expose the speaker 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 battery cartridge.
3. If operating time has become excessively shorter, stop operating immediately. It may result in a risk of overheating, possible burns and even an explosion.
4. If electrolyte gets into your eyes, rinse them out with clear water and seek medical attention right away. It may result in loss of your eyesight.
5. Do not short the battery cartridge:
   (1) Do not touch the terminals with any conductive material.
   (2) Avoid storing battery cartridge in a container with other metal objects such as nails, coins, etc.
   (3) Do not expose battery cartridge to water or rain.
   A battery short can cause a large current flow, overheating, possible burns and even a breakdown.
6. Do not store the tool and battery cartridge in locations where the temperature may reach or exceed 50°C (122°F).
7. Do not incinerate the battery cartridge even if it is

severely damaged or is completely worn out. The battery cartridge can explode in a fire.

8. Be careful not to drop or strike battery.
9. Do not use a damaged battery.
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. When disposing the battery cartridge, remove it from the tool and dispose of it in a safe place. Follow your local regulations relating to disposal of battery.
13. Use the batteries only with the products specified by Mellif. Installing the batteries to non-compliant products may result in a fire, excessive heat, explosion, or leak of electrolyte.
14. If the tool is not used for a long period of time, the battery must be removed from the tool.

CAUTION:

- **Danger of explosion if battery is incorrectly replaced.**
- **Replace only with the same or equivalent type.**
- **Only use genuine Mellif batteries or specified batteries. Use of non-genuine Mellif batteries, or batteries that have been altered, may result in the battery bursting causing fires, personal injury and damage.**

Tips for maintaining maximum battery life

1. Charge the battery cartridge before completely discharged. Always stop operation and charge the battery cartridge when you notice less 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. Charge the battery cartridge if you do not use it for a long period (more than six months).

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 speaker, causing injury to you or someone around you.**
- **Always close and lock the battery compartment locker before moving the speaker.**
- **Always switch off the speaker before installing or removing the battery cartridge.**
- **Be careful not to drop or strike the speaker. Broken shell may slash your finger or stab your body. Damaged speaker may exhibit unpredictable behavior resulting in fire, explosion or risk of injury.**
- **Hold the speaker and the battery cartridge firmly when installing or removing battery cartridge. Failure to hold the speaker and the battery cartridge firmly may cause them to slip off your hands and result in damage to the speaker and battery cartridge and a personal injury.**

IMPORTANT:

- Reduced power, distortion, “stuttering sound” or “low battery” appear 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.

Installing or removing slide battery cartridge

- 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.
- Do not use force when inserting the battery cartridge. If the cartridge does not slide in easily, it is not being inserted correctly.
- To remove the battery cartridge, sliding it from the speaker while pressing the button on the front of the cartridge.

Indicating the remaining battery capacity

➢ **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.

- **18V/20V batteries**

Indicator or lamps			Remaining Capacity
■ Lighted	□ Off	◪	
■ ■ ■ ■			75% ~ 100%
■ ■ ■ □			50% ~ 75%
■ ■ □ □			25% ~ 50%
■ □ □ □			0% ~ 25%
◪ □ □ □			Charge the battery

NOTE:

Depending on the conditions of use and the ambient temperature, the indication may differ slightly from the actual capacity.

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 speaker. Plug the adaptor into a standard mains socket outlet. Whenever the adaptor is used, the battery pack is automatically disconnected.

⚠ ***CAUTION:***

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

IMPORTANT:

- The mains adaptor is used as the means of connecting the speaker to the mains supply. The mains socket used for the speaker must remain accessible during normal use.
- In order to disconnect the speaker, the mains adaptor should be removed from the mains outlet completely.
- Use the AC power adaptor supplied with the product or specified by Mellif 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 MUSIC VIA BLUETOOTH STREAMING

You need to pair your Bluetooth device with the speaker before you can auto-link to play/stream Bluetooth music through the speaker. Pairing creates a 'bond' so two devices can recognize each other.

Note:

To have the better sound quality, we recommend setting the volume to more than two-thirds level on your Bluetooth device and then adjust the volume on the speaker as required.

Pairing your Bluetooth device for the first time

1. Press the Power button to turn on the speaker. Repeatedly press the 'MODE' button until 'Bluetooth' is displayed.
2. Activate Bluetooth on your device according to the device's user manual to link to the speaker. Locate the Bluetooth device list and select the device named "MELLF".
3. Once connected, there will be a confirmation tone sound. You can simply select and play any music from your source device. Volume control can be adjusted from your source device, or directly from the speaker.
4. Use the controls on your Bluetooth-enabled device or on the speaker to play/pause and navigate tracks.

Note:

- If 2 Bluetooth devices, pairing for the first time, both search for the speaker, it will show its availability on both devices. However, if one device links with this unit first, then the other Bluetooth device won't find it on the list.
- If your Bluetooth device is temporarily disconnected to the speaker, then you need to manually reconnect your device again to the speaker.
- If "MELLIF" shows in your Bluetooth device list but your device cannot connect with it, please delete the item from your list and pair the device with the speaker again following the steps described previously.
- Optimum Bluetooth streaming range is roughly 10 meters (30 feet) (line of sight) to the speaker but distance up to 30 meters (100 feet) are possible.
- If Bluetooth connection is lost due to exceeding time of separation, exceeding the optimum distance, obstacles

or otherwise, reconnecting your device with the speaker may be necessary.

- Physical obstacles, other wireless devices or electromagnetic devices may affect the connection quality.
- Bluetooth connectivity performance may vary depending on the connected Bluetooth devices. Please refer to the Bluetooth capabilities of your device before connecting to the speaker. All features may not be supported on some paired Bluetooth devices.

Playing audio files in Bluetooth mode

When you have successfully connected the speaker with the chosen Bluetooth device you can start to play your music using the controls on your connected Bluetooth device.

1. Once playing has started adjust the volume to the required setting using the Volume buttons on the speaker or on your enabled Bluetooth device.
2. Use the controls on your Bluetooth device to play/pause and navigate tracks. Alternatively, control the playback using Play/Pause, Next track and Previous track buttons on your speaker.
3. Press and hold the Fast-forward button or Rewind button to move through the current track. Release the button when the desired point is reached.

Note:

- Not all player applications or devices may respond to all of these controls.
- Some mobile phones may temporarily disconnect from the speaker when you make or receive calls. Some devices may temporarily mute their Bluetooth audio streaming when they receive text messages, emails or for other reasons unrelated to audio streaming. Such behavior is a function of the connected device and does not indicate a fault with the speaker.

Playing a previously-paired Bluetooth source device

The speaker can memorize up to 8 sets of paired device, when the memory exceed this amount, the oldest pairing history will be over written. If your Bluetooth device already paired with the speaker previously, the unit will memorize your Bluetooth device and it attempts to reconnect with a device in memory which is last connected. If the last connected device is not available, the speaker will be discoverable.

TRUE WIRELESS STEREO (TWS) FUNCTION

True wireless stereo (TWS) is a feature that allows one device to wirelessly connect with another device. You can use the TWS function to connect it to a second MELLIF and play your music through two speakers.

Let TWO radios enter Bluetooth mode, repeatedly press the 'MODE' button until TWO radios 'Bluetooth' is displayed, long press one of radio "PRESET" button, TWO radios will show connection,search for 'MELLIF' under available devices,the sound will be played out from two radios together

Equalizer function

1. Press the Power button to switch on your speaker.
2. Press the EQ control button to select your required mode (POP/JAZZ/CLASSIC/ROCK/FLAT).

Playing music via auxiliary input socket

A 3.5mm Auxiliary input socket is provided on the right side of the unit to permit an audio signal to be fed into the unit from any devices that features a headphone or audio output, such as MP3 or CD player.

1. Connect a stereo or mono audio source (for example, MP3 or CD player) to the Auxiliary input socket (marked 'AUX IN'), the speaker will be switched from Bluetooth to auxiliary input mode.
2. Adjust the Volume control on your MP3 or CD player to ensure an adequate signal and then adjust the volume on the speaker for comfortable listening.

Note:

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 speaker as required.

FM FUNCTION

FM Mode

To enter FM mode, repeatedly press the 'MODE' button until FM shows on the display.

Auto Scan

Press and hold the "Scan" button for 2 seconds to start the FM auto scan in either direction along the frequency range.

The scan will stop at the next strongest signal it picks up. If the scan continues without finding any stations you will need to manually tune the radio.

AM FUNCTION

AM Mode

When turning on the Radio, it will usually default to AM mode. If this is not the case - repeatedly press the 'MODE' button until 'AM' is displayed on the screen.

AM Scan

The first time the radio enters AM Mode,it will automatically perform a full scan for available AM stations.

The number on the right of the display indicates the amount of stations found and stored.

You can re-scan at any time such as when you move to a new location or if you are suffering with poor signal,
To perform a scan - Press the 'SCAN' button on the radio,one press is search next stations,long press is full frequency scanning.
Saving a Preset Station
You can save your favourite AM stations as presets so they can be quickly accessed without scrolling through the entire station list.
To save a station as a preset - First tune into the station you wish to save. Then press and hold one of the "preset" buttons on the radio until you see the message 'P01'. The station has now been saved.

DIMMER

You can adjust the various backlight settings to conserve battery life and reduce nuisance light. Press "DIMMER" button, This option allows you to set the brightness of the display, High>Medium>Low

MAINTENANCE

⚠ ***CAUTION:***

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

SPECIFICATIONS

Amplifier	
Output power	18V/20V: 15W
Frequency response	50Hz~20kHz
Aux In	
Input sensitivity	250mVrms @100Hz
Speaker	
Main speaker	101.6mm 8ohm 15W
Tweeter speaker	36mm 8ohm 15W

Bluetooth® (The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc.)	
Bluetooth version	5.0 Certified
Bluetooth Profiles	A2DP/SCMS-T/AVRCP
Transmission Power	Power Class2
Transmission Range	Optimum: Max.10 meters (33 feet) Possible: Max.30 meters (100 feet) (varies according to usage conditions)
Supported codec	SBC
Compatible Bluetooth profile	A2DP/AVRCP
Maximum speaker-	BT EDR: 3.08dBm
Operating Frequency	2402MHz~2480MHz

General	
AC power adaptor	DC in 18V 1.3A, center pin positive
Battery	Slide battery: 18V/20V
Power in	DC 18V1.3A OR MELLIF / DEWALT 20V MAX BATTERY
Dimensions(L x W x H)	7in x 7.9in x 10.6in
Weight	2.9KG (without battery)

The company reserves the rights to amend the specification withour notice.

ABOUT US

EU Representative:
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Address Mittenhuber Straße 4, 92318 Neumarkt
Contact Person Yuan Li
Tel +4915224685061
E-mail Compliance.EU@outlook.com

After-Sales Service:
Your satisfaction is our priority. Our products come with a five-year warranty, ensuring peace of mind. For assistance, contact us at our official website: www.mellif-tools.com.

Subscribe to our YouTube channel to stay updated on the latest product information and usage tutorials.

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-- Reorient or relocate the receiving antenna.

-- Increase the separation between the equipment and receiver.

-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-- Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.