## MINELAB ML 100 HEADPHONES

Minelab ML 100 headphones use aptX™ Low Latency technology, which delivers faster, higher quality audio than standard Bluetooth, so it will give more precise and faster detection responses when used for metal detecting.

They contain the latest CSR8670 chipset with aptX and aptX Low Latency, and are compatible with devices that support Bluetooth.

## PACKAGE CONTENTS

- ML 100 Headphones
- 3.5 mm (⅛ inch) Detachable Auxiliary Cable
- USB Charging Cable
- Instruction Manual

## GETTING STARTED

1. Ensure the Bluetooth headphones are fully charged.
2. Pair the charged Bluetooth headphones with a Bluetooth enabled device.

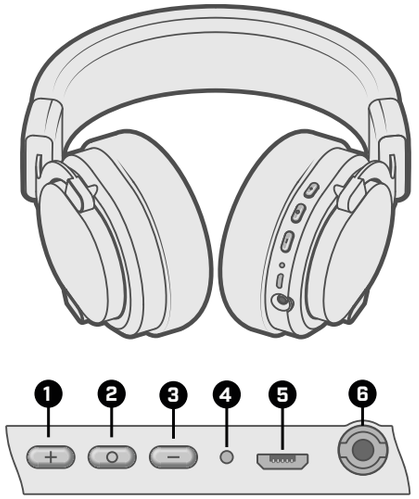
## PAIRING TO A DETECTOR

1. Place the headphones and the detector no more than 1 metre (3 feet) apart.
2. Ensure the headphones are turned off.
3. Press and hold the MFB ❷ until a double ascending tone is heard and the Status LED ❹ flashes red and blue.
4. Press and hold the wireless button on the detector for 3 seconds. The Bluetooth icon on the detector display will flash rapidly.
5. When the pairing is complete, the headphones will beep and the Status LED ❹ will flash blue 3 times repeatedly, indicating that they are connected to the detector.

**NOTE**: If the pairing cannot be completed within 5 minutes after the pairing mode has been activated, the headphones will automatically enter Standby Mode.

**NOTE**: ML 100 headphones can be paired with two devices simultaneously so you can pair them with both your detector and your smart phone.

## BUTTONS AND INDICATIONS




**❶ VOLUME PLUS BUTTON (+)**

Increases the Volume by one level, plays the next track (music function).

**❷ MULTI-FUNCTION BUTTON (MFB)**

Turns the headphones on or off, plays and pauses music (music function), activates Pairing Mode, resets the headphones to factory defaults.

**❸ VOLUME MINUS BUTTON (-)**

Decreases the Volume by one level, plays previous track (music function).

**❹ STATUS LED**

| | |
|---|---|
| Alternating blue / red | Pairing mode |
| Flash blue 3 times | Connected |
| Flash blue 2 times | Standby mode |
| Solid red | Charging |
| Solid Blue | Charging complete |

**❺ USB MICRO-B CHARGING SOCKET**

**❻ HEADPHONE SOCKET 3.5 mm (⅛ inch)**

## CONNECT WITH THE LAST PAIRED DEVICE

The headphones will automatically connect with the last-paired device. If connection is successful, the Status LED ❹ will flash blue 3 times repeatedly.

## RESET TO FACTORY DEFAULTS

Make sure the headphones are turned off. Press the MFB ❷ for approximately 10 seconds until there are 2 beeps and the Status LED ❹ flashes pink 2 times. Release the button.

The Status LED ❹ will now be flashing red and blue, indicating that the headphones are in pairing mode.

All previously paired devices will be unpaired.

## MUSIC FUNCTIONS

### PLAY / PAUSE MUSIC

Press the MFB ❷ to pause / play music on your connected device.

When music is playing, the Status LED ❹ will flash blue 3 times repeatedly.

### NEXT / PREVIOUS TRACK

Long press the Volume + button ❶ for 2 seconds to play the next track.

Long press the Volume – button ❸ for 2 seconds to play the previous track.

### ADJUST THE VOLUME

Press the Volume + button ❶ once to increase the volume by one level.

Press the Volume – button ❸ once to decrease the volume by one level.

When maximum or minimum volume has been reached there will be a high or low tone (beep).

## CHARGING THE HEADPHONES

Connect the USB charging cable to charging USB socket ❺ of the headphones. The Status LED ❹ will remain solid red during charging. When charging is complete, the Status LED ❹ will turn solid blue. NOTE: USB Charger is not supplied. Any generic high quality USB charger can be used.

## TURNING ON THE HEADPHONES

Press and hold the MFB ❷ until the Status LED ❹ flashes solid blue for 1 second and then flashes blue with an ascending 'beep' sound.

The headphones enter pairing mode automatically when no device is paired.

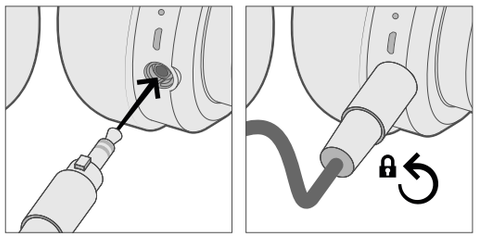
## TURNING OFF THE HEADPHONES

To turn off the ML 100 headphones, press and hold the MFB ❷ for 2 seconds until the Status LED ❹ flashes red. There will be a series of descending tones and the headphone will turn off.

## CONNECTING THE AUXILIARY CABLE

The ML 100 headphones are supplied with a detachable 3.5 mm (⅛ inch) auxiliary cable for wired operation. This allows the headphones to be used if the battery is flat, or for use with devices that do not have Bluetooth capability.

To use the cable, plug the connector into the headphone jack ❻ and turn 90° anti-clockwise to lock the connector. This prevents the connector from being accidentally disconnected.



## SAFETY INFORMATION

- Check local laws regarding the use of smart phones and headphones whilst driving.
- If you use the headphones whilst driving, ensure your attention and focus remains on the road and you drive in a responsible and safe manner.
- Never allow children to play with the headphones, small parts are a choking hazard.
- Observe all signs that require an electrical device or RF radio product to be switched off in designated areas. These could include hospitals, blasting areas, and potentially explosive environments.
- Turn off your headphones prior to boarding an aircraft.
- Never mount or store your headphones over any air bag deployment area as serious injury may result if the air bag deploys.
- Do not open or mutilate the built-in battery.
- Dispose of batteries according to local regulations. Do not dispose as household waste.
- Only charge the headphones built-in battery in accordance with the instructions contained in the user guide.
- Avoid charging the headphones in extreme temperature conditions.

## CARE AND MAINTENANCE

- Turn the headphones off before placing in a pocket or bag. If the MFB ❷ is accidentally activated, your smart phone may place an unintended call if paired.
- Do not expose the headphones to liquid, moisture or humidity, as the headphones are not waterproof.
- Do not use abrasive cleaning solvents to clean the headphones.
- Do not expose the headphones to extreme temperature conditions.
- Do not dispose the headphones in a fire as this may result in an explosion.
- Do not bring the headphones into contact with sharp objects as this will cause scratches and damage.
- Do not attempt to disassemble the headphones, as they do not contain serviceable components.
- If the headphones are not used for long periods, store in a dry place free from extreme temperature conditions and dust.

## TROUBLESHOOTING

If you are unable to connect your headphones to your device, try the following:

- Ensure your headphones are turned on and are fully charged.
- Ensure the headphones are paired with your device.
- Ensure your devices Bluetooth feature is activated. Refer to your devices user guide for specific instructions.
- Ensure the headphones are within 10 metres (32 feet) of your device and there are no obstructions such as walls or other electronic devices in between.

## SIMPLIFIED EU DECLARATION OF CONFORMITY

Hereby, compliance. Minelab Electronics Pty Ltd declares that the radio equipment type ML 100 complies with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address:
**www.minelab.com/compliance**

## MODIFICATION

Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the device.

Toute modification non approuvée explicitement par le fournisseur de licence de l'appareil peut entraîner l'annulation du droit de l'utilisateur à utiliser l'appareil.

## FCC AND INDUSTRY CANADA STATEMENTS

This device complies with part 15 of the FCC Rules and with Industry Canada's license-exempt RSSs. 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.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage; (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

## PRODUCT SPECIFICATION

| | |
|---|---|
| **Bluetooth version** | V5.0 |
| **Bluetooth modes supported** | Headphones, hands free, A2DP, AVRCP, aptX, aptX Low Latency |
| **Bluetooth chipset** | CSR8670 with aptX, aptX Low Latency |
| **Bluetooth operating range** | Up to 10 m (32 ft) |
| **Charging time** | 3 hours (approximately) |
| **Operating time** | 15 to 20 hours |
| **Standby time** | Up to 180 hours |
| **Dimensions** | 210 × 185 × 90 mm (8.3 × 7.3 × 3.5 inches) |
| **Weight** | 270 g (9.5 oz) |
| **Bluetooth operating frequency** | 2.4 to 2.48GHz |
| **Audio output power** | 17 mW ×2 |
| **Power of supply** | 0.1 W |
| **Bluetooth RF power** | 2 dBm |
| **Storage temperature range** | 0°C to +60°C (32°F to +140°F) |



**CERTIFICATE**

R-C-Tej-ML100
FCC ID: Z4C-ML100
IC: 24927-ML100

Minelab Electronics
PO Box 35, Salisbury South
South Australia 5106

www.minelab.com

Qualcomm aptX Low Latency

Bluetooth

4901-0398-2

# ML 100
## BLUETOOTH HEADPHONES
### USER MANUAL


MINELAB

**FCC Caution：**

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.

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

**Note:** 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.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

## IC Caution:

This device complies with Industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions:
(1) This device may not cause interference; and
(2) This device must accept any interference, including interference that may cause undesired operation of the device.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux apparei ls radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

(1) l'appareil ne doit pas produire de brouillage, et
(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

L'appareil a été évalué pour répondre aux exigences générales d'exposition RF. L'appareil peut être utilisé dans des conditions d'exposition portables sans restriction.