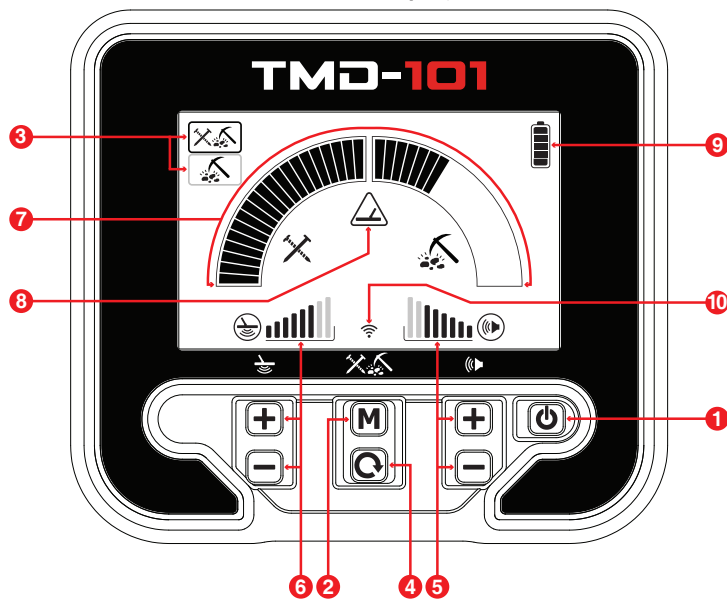



TMD-101 Quick Guide

Control Display




- 1) On / Off Button
- 2) Search Mode Button
- 3) Search Modes
- 4) Retune Button
- 5) Volume Buttons
- 6) Sensitivity Buttons
- 7) Signal Strength Bar
- 8) Warning Icons
- 9) Battery Icon
- 10) Wireless Connection Icon

Turning On/Off the Device

To turn on the device, press and hold the On/Off button  until the bar starts filling up. To turn off the device, press and hold the button until the display light turns off.

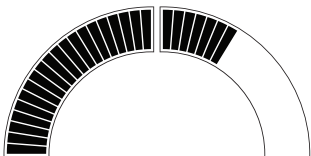
Search Modes

There are 2 search modes: Static and Dynamic Press the  button to select the mode.



Static Mode

This is a non-motion mode. In other words, the device will generate an audio response when you hold the coil stationary without swinging over the target. The audio response increases in volume as the coil approaches the target. This mode is recommended for larger and deeper metals.



In the static mode, the device will generate the same audio tone for all metals. When a target is detected, the bar fills up from left to right in proportion to the strength of the target signal.

The threshold in this mode is internal and cannot be adjusted by the user. Changes in the ground and temperature may lead to drifts in the threshold. Threshold drifts will be reflected in the signal strength bar either in the positive way (right side) or the negative way (left side). The device may emit an audible response in the positive drifts but not in the negative ones. When the threshold drifts, press the retune button once to retune the detector. Retuning periodically while searching in this mode is recommended.

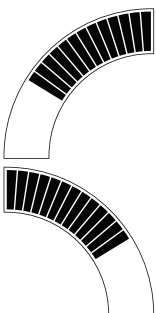
IMPORTANT! For a more stable operation, try keeping the coil consistently at the same height above the ground where you retuned the detector.

IMPORTANT! If you retune the detector over a target, the threshold will drift to the negative side and the device will no longer detect the target until the detector is retuned. In addition, the depth of the detector will also decrease.



Dynamic Mode

In this mode, the device emits a low tone for ferrous metals and a high tone for non-ferrous metals.



When the device detects a ferrous metal, the left side of the bar fills up in proportion to the strength of the target signal.


When the device detects a non-ferrous metal, the right side of the bar fills up in proportion to the strength of the target signal.



Sensitivity

This is the depth setting of the device. It is also used to eliminate the ambient electromagnetic signals from the surrounding environment and noise signals transmitted from ground.

Sensitivity setting consists of 8 levels and is pre-defined for each mode. Each mode starts with its default sensitivity setting and it can be manually modified when necessary.

Note : If the ground is highly mineralized causing the device to overload, decrease the Sensitivity until the overload warning icon  disappears from the screen.



Volume

Press the + or - button to adjust the volume.




Retune

It is used to retune the device in the static mode. To retune, just press the button once.

Frequency Shift

It is used to eliminate the electromagnetic interference that the device receives from another detector which operates in the same frequency range nearby or from the surroundings. If too much noise is received when the search coil is lifted in the air, this may be caused by the local electromagnetic signals or excessive sensitivity settings.

To shift the frequency, press and hold the  button for 3 seconds while the device is on. The frame on the mode will start flashing. Change the frequency using the sensitivity +/- buttons.

Note : If no button is pressed for 5 seconds, the screen will time out and the device will revert back to the main screen.

Frequency shift will be reflected on the left side of the bar. The left side of the bar will start filling up / falling each time you press the sensitivity +/- buttons. Frequency shift consists of 5 steps and 3 is the central frequency.

TMD-101 Quick Guide

Warning Icons



Low Battery Warning

Battery icon on the display shows the battery life status. When the charge decreases, the bars inside the battery icon decrease, too. When the battery is depleted, the battery icon will start flashing.




Check Coil

It indicates an interruption in the search coil transmitter signal. The search coil connector may be unattached, loose or disconnected or the search coil may have a defect. If the issue continues when you change the search coil, there may be an issue in the coil control circuit.



Overload

Shallow and/or large targets may cause an overload and the device starts to generate a continuous sound which resembles a siren. Overload icon  is shown on the display simultaneously. In such a case, lift the search coil up until the icon disappears.

Wireless Connection

TMD-101 has a built-in wireless module which allows for wireless headphones connection. You can find the pairing instructions below for the Nokta Makro 2.4GHz Wireless Headphones sold separately:

1. MAKE SURE YOUR DETECTOR IS OFF!

2. While pressing the white button on the headphones, switch the on-off button of the headphones to "on" position and do NOT let go of the white button until the beep indicating the battery status is heard.


3. Headphones will emit a number of beeps to indicate the battery status as follows: Five (5) beeps for fully charged battery, four (4), three (3), two (2) beeps to indicate diminishing charge and one (1) beep if the battery is low. When the battery is approaching full depletion, the headphones will start emitting continuous beeps at short intervals indicating an immediate need to charge the battery.

IMPORTANT! Disconnection and unpairing may occur when the battery is low!

4. The blue LED on the other side will start blinking every 2 seconds.

5. Turn the detector on while pressing the sensitivity + button and do NOT let go of the button until the wireless icon  starts blinking at the bottom of the screen.


6. When the pairing is successful, the audio will be heard through the headphones and the blue LED will start to blink every second. In addition, the wireless icon will light up solid. If the pairing is not successful, the wireless icon will keep blinking. In such a case, repeat the above steps.

7. Once the pairing is successful, if you experience any distortion in the audio or interference from another detector, press the search mode button  for 3 seconds. The frame indicating the selected mode will start blinking. Change the channel by using the volume plus (+) and minus (-) buttons. Bars will rise or fall indicating channel change. There are a total of 20 channels. If there are no bars showing on the right side of the screen, it means that the wireless is off. When you are not using the wireless headphones, keeping the wireless connection off is recommended.

8. Once the pairing is complete, the headphones and the detector will connect automatically at the next start-up.

9. To adjust the volume, use the volume setting of the detector.

Factory Defaults

Turn on the device while pressing the retune button . When the display light turns on, release the retune button. The bar will rise and fall, the battery icon will fill up and the device will revert back to factory defaults.

Software Update

TMD-101 has software update capability. All software updates made after the device is released to the market will be announced on the product's web page along with updating instructions.

Assembly

