CE $\quad$ *Techtoyz RF Detector*

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User Instruction Guide

The Techtoyz Micro RF Detector instruction sheet is separated into six sections:

Modes:	Set-Up Mode and Detect Mode
Signal Strength Indication:	Bargraph or Numerical
Signal Threshold:	1- 100 (Numerical), l-24 (Bargraph)
Beeper Alarm:	Continuous or Re-settable
Hit Counter:	250 maximum hit counter
Maximum Signal Level:	Displays maximum signal level attained

Mode

*Hold the Techtoyz Micro **RF Detector** with the belt clip facing you and turn it **on by moving** the three position slide switch to the middle position.*

SET-UP MODE (Slide Switch in Middle Position)

When the slide switch is moved to the middle position, the RF Detector will be in Set-Up Mode. The word OPT0 will be momentarily displayed followed by either the Bargraph or Numerical Indication Mode. The RF Detector is capable of making RF measurements in this mode.

SETTING SIGNAL STRENGTH INDICATION:

The Techtoyz Micro RF Detector has two modes of displaying signal strength

Bargraph: There are two, 24 segment bargraphs, one on top and one on the bottom of the display. The bottom segment represents the signal threshold level, while the top segment represents the maximum level attained. The top segment will not appear until a signal is detected.

TO CHANGE THE SIGNAL STRENGTH DISPLAY PRESS THE SLIDE SWITCH IN ONCE.

Numerical: There are three, 3 digit numbers from 1 - 100 on the display. The number on the left hand side represents threshold level, the number in the middle represents maximum level, and the number on the right hand side represents the current level.

TO RESET THE MAXIMUM LEVEL ATTAINED, PRESS THE ARROW BUTTON ONCE.

Once you have determined which mode to be in, move the slide switch to the top position. You will now be in DETECT MODE.

DETECT MODE (Slide Switch in Top Position)

When the slide switch is in the top position the RF Detector will be in DETECT MODE. In this mode, you are able to set the signal threshold and activate the beeper for continuous beep or auto reset beep. The RF Detector is capable of making RF measurements in this mode.

SETTING SIGNAL THRESHOLD:

Bargraph: To set the signal threshold with the bargraph (bottom segment), press the minus button to increase the threshold and press the arrow button to decrease the threshold setting. When RF is present the top segment will appear and stop when a signal is no longer present. The top segment will represent the maximum attained signal level.

Numerical: To set the signal threshold from l-100 with numerical indication (left hand number), press the minus button to increase the threshold and press the arrow button to decrease the threshold setting. When RF is present, the number on the right hand side will represent the current level. When a signal is no longer present, the middle number will represent the maximum attained signal level.

SETTING THE BEEPER:

Beeper Reset Mode: To activate the beeper, press the slide switch in once. The speaker icon will appear in the top left hand corner indicating that the beeper has been activated. When a signal reaches the threshold setting the beeper will activate, and the arrow icon will be displayed on the right side of the display. The beeper will continue to sound as long as the signal present is at or above the threshold setting. As soon as the signal reaches a level below the threshold setting the beeper will shut off. To deactivate the beeper, press the slide switch in once. The speaker icon will no longer be present on the display.

Continuous Beeper Mode: To activate the continuous beeper, press the arrow and the minus buttons at the same time, then press the slide switch in once. The padlock icon and the speaker icon will appear on the display indicating that continuous beep has been activated. When a signal reaches the threshold setting the beeper will activate. The beeper will continue to sound until it has been manually reset. To reset the continuous beeper, press the slide switch in once. The speaker icon will no longer be present on the display. To activate the continuous beeper again, press the slide switch in once. To exit continuous beeper mode, press the minus and arrow buttons at the same time. The padlock icon will disappear indicating that continuous beeper mode has been turned off.

RECORDING HITS:

The RF Detector can record up to 250 hits in memory. When either beeper mode is activated, and the signal level reaches the threshold setting activating the beeper, a hit will be registered. Hits will not be registered unless the beeper is activated. To look at the number of hits in memory, press and hold the minus button while in SET-UP MODE (slide switch in middle position). To clear the number of hits back to zero, press and hold the minus and arrow buttons at the same time while in SET-UP MODE. The number of hits will be retained when the power is turned off, or in the event of battery discharge.

MAXIMUM SIGNAL LEVEL:

Bargraph: The maximum signal level attained is displayed by the top segment on the display. To reset the signal level to zero, press the arrow button once while in SET-UP MODE (slide switch in middle position).

Numerical: The maximum signal level attained is displayed by middle number on the display. To reset the signal level to zero, press the arrow button once while in SET-UP MODE (slide switch in middle position).

Specifications

Frequency Range:	10MHz - 2GHz
Display:	Relative RF Level
	1 - 100
Bargraph:	1 -24 segments
Dynamic Range:	30dB min.
Power:	1.5VAA Alkaline
	Battery

LCD Display Symbols

Beeper Mode

Continuous Beeper Mode

Beeper has been activated

Lo Batt Low Battery

Antenna Input & Battery

ANTENNA

The 2,5mm input jack located under the slide switch allows for direct connection of the model TMC- 100 antenna (optional)

BATTERY

The Micro RF Detector operates from a AA 1.5V alkaline battery (equipped with unit). The unit will operate up to hours.