

# REMOTE EXAMINER

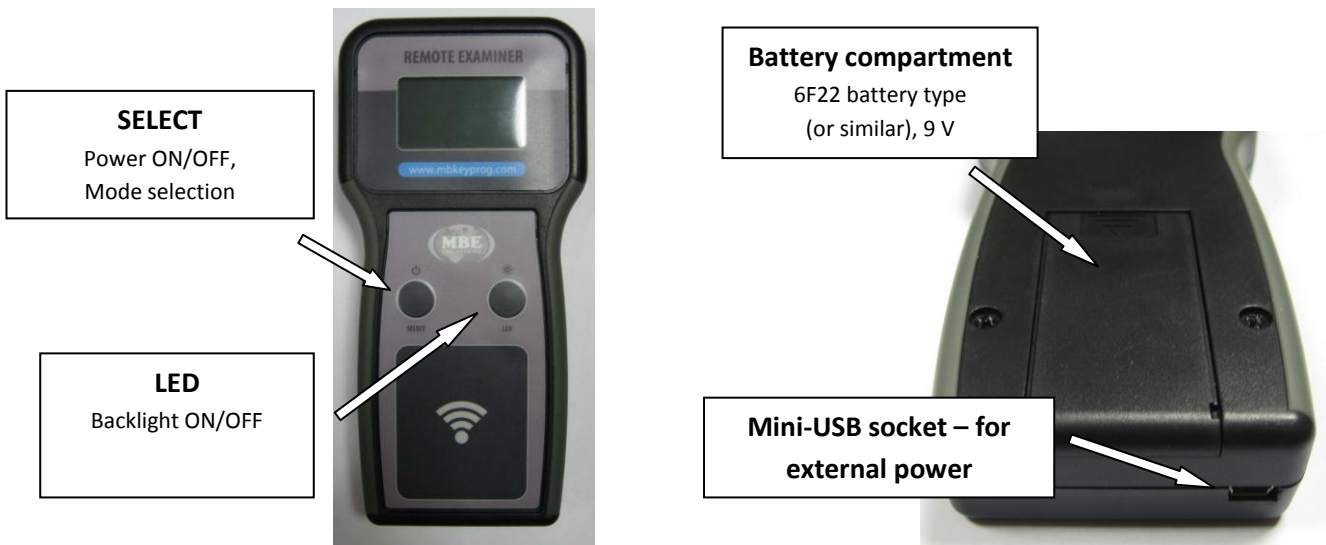
User manual.

## Main features

**Remote Examiner** measures the level of radio frequency (RF) in the ranges:

- 100 – 1000 MHz (automotive central locking – keyless entry),
- 120 -140 kHz (ignition locks systems, powering RFID systems),
- Infra-Red (IR) presence and it's level.

## CONTROLS AND POWER SUPPLY



## Turn device ON/OFF

To turn ON – press shortly SELECT button. If you power Remote Examiner via USB socket device turns ON automatically – with LED backlight.

To turn OFF – press and hold SELECT button till you hear signal.

The device will be turn off automatically if it does not detect external input signals (RF and IR) for 45 approximately seconds – when in battery powered mode. Remote Examiner does not turn OFF automatically when it is connected to USB power.

## Battery voltage indicator

When in battery mode, you can find indicator of battery power level



You need to charge the battery when the indicator goes blank (there are no more vertical stripes). Battery power indicator does not appear, when Remote Examiner is connected to USB.

## LED backlight

You can turn ON and OFF the LED backlight by short pressing of LED button. It turns ON automatically when you get external power via Mini-USB socket. It can be turned OFF by LED button the same.

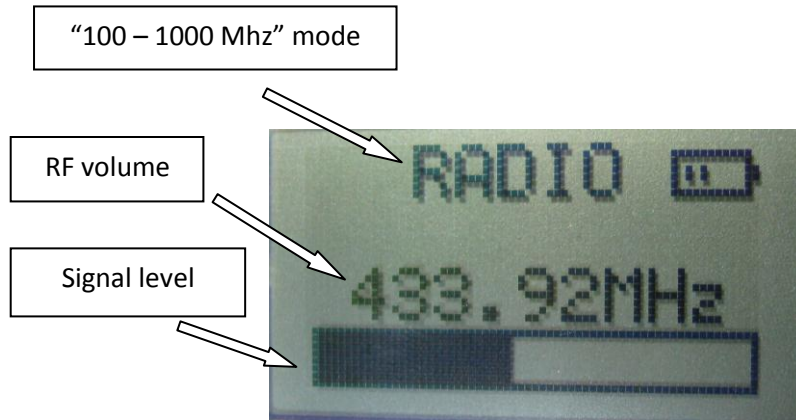
## Measuring mode

Press **SELECT** button successively to choose mode you need.

### Range 100 – 1000 MHz (“RADIO”).

Place remote controller, key, keyless entry remote you would like to test on the center of dark-gray field with a drawing of the wireless.

See picture below.

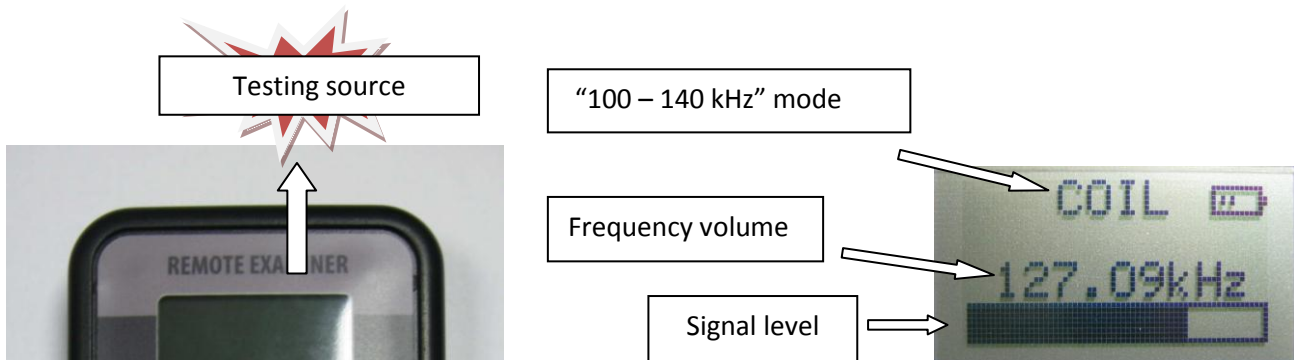


Press any button on remote control. If it sends any radio signal you see the information on the LED screen: RF volume and level of RF signal.

**Please note: mobile phones, wireless transmitters and other devices can be source of interferences during the measurement process. Do not** place Remote Examiner near such devices - find RF free area if it's possible.

### range 100 – 140 kHz (“COIL”)

That range of the radio transition is used to power RFID mounted in keys. To check that transmission simply select COIL mode. Place Remote Examiner near the testing source – as usually near ignition lock and turn ignition ON (see picture below). Frequency of the radio transmission and the level of a signal will be shown on LED if the ignition coil works properly.



### Infra-red mode (“I-RED”).

Select I-RED mode. Place Remote Examiner near the testing source like on picture below. Presence and level of IR signal will be shown on the LED.

