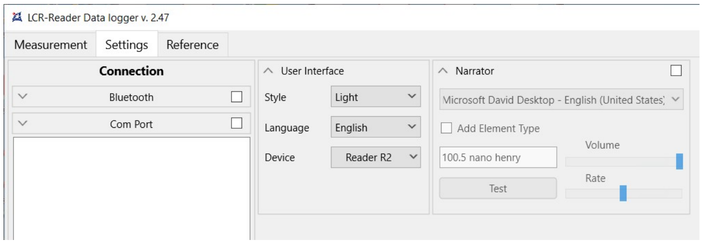
LCR-Reader®-BT

Bluetooth Data Acquisition Tool
Quick Start Guide

1. Download **LCR-Reader-Logger_Installer.zip** from http://www.LCR-Reader.com/downloads/BT unzip and and run the Installer as an Administrator, Desktop icon is created and folder \Documents\LCR-Reader-Logger\ with manuals, drivers and initial data example. The dongle driver required to run Logger under Windows 7 or older has to be installed using files ccxxxx_usb_cdc.* in \Documents\LCR-Reader-Logger\drv\ folder.
2. Click on the **LCR-Reader-Logger** icon on Desktop to start the program, the following window will pop-up:
3. In the Settings tab select the way you connect LCR-Reader and the computer as well as the device model: MPA, R2 or R3. Under Windows 10 you may use either Bluetooth or Com Port connection by checking the respective checkbox. Only Com Port option will work on older Windows versions.



4. When using the Bluetooth connection, the program scans for available LCR Reader devices and displays them in the left top corner of the window. To connect, simply click on the respective discovered device.
5. If the Com Port option is used, select the respective Com Port and click Conn to connect. If connection is not established, click Disconn and then Conn again.
6. After the connection was established the program automatically switches to the Measurement mode and creats an empty database. In order to load a preset example, click on Databse tab, Open and select Test database in the in \Documents\LCR-Reader-Logger\dat\ folder. When the database is open, you can select a component from the loaded component list or the circuit board image and test it by pressing the Space bar. The measured values are immediately displayed in the table with indication "Pass/Fail" status.
7. The Reference tab allows to modify the reference component list and to link a PCB image that is interlinked with the component table. If the PCB image is linked then component selection can be done in either the PCB image or the table.
8. Parameters for component being tested are set in the **Reference** window where you can also add more components for testing. Components can added by manual adding a row, using measurement data from the device, or by appending a simple semicolon ";" separated file with 5 columns: Designator; Comment ; Accuracy; Layer; Center X (mm); Center Y (mm) . Here Designator is the component name, Comment is component value, Accuracy is the required tolerance, Center X and Center Y are the coordinates of components on the PCB in mm (optional parameters). The latter two parameters allow to link the PCB image to the component list thus allowing to visually select components for testing on the board image.
9. All made changes are immediately stored in the database in the User Documents folder in the RLC Data subfolder. You may save all data including linked PCB image using Save As button under Database tab.
10. To start testing, connect the component to the test leads and press the Space Bar on the keyboard to make a measurement. If the component meets the specified specs, the backgound of the status column of the table will be green, otherwise it will be red. The result will also be shown in the table in the lower part of the screen, showing the measured values and '**Pass**' or '**Fail**' in the **Status** column.
11. In the Mesurement window you may switch between **All Components** and **One Component** test modes.
12. For more information refer to the **LCR-Reader-Logger Manual** which is available in Start Programs/LCR-Reader-Logger or at http://www.lcr-reader.com/downloads/BT
13. Changing CSV file to ";" separation: 1. Go to Control Panel > Clock and Region > Region > Additional Settings 2. Change List Separator from comma to: ";" When you save your file in Excel as a CSV, it will use semi-colon. Note: Do change it back to comma for saving future CSV files with comma separation