# H-zoneRF DEMO GUI
# User Guide
# V1.0

1.  At first, please connect the MagicRF RFID Reader demo module with antenna.

2.  Install USB2UART serial port driver of Silabs (CP210x_VCP_Win_XP_S2K3_Vista_7.exe).

3.  With the USB cable, please connect the PC with RFID Reader DEMO module.

4.  Open the DEMO GUI and the GUI will find all available serial port.
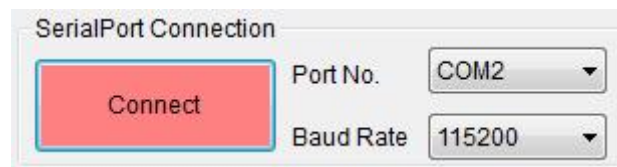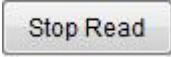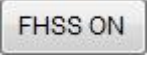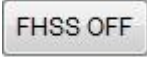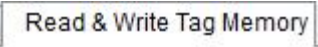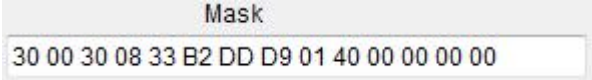


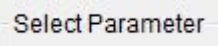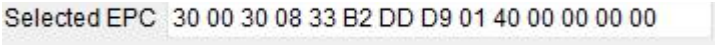5.  Find the right COM port and click CONNECT button, with the baud rate of 115200bps.

6.  The default region is CHINA2，which is from 920MHz to 925MHz.

7.  The default output power of QM100 DEMO is 30dBm. And the default output power of M100 DEMO is

    26dBm.

8.  Click [Continue] button，and continuous single inventory will be performed. The default time interval
    of continuous inventory is 100ms, which is controlled by GUI internal timer and should not be less than

    50ms. After clicking [Continue] button, the button will change to [Stop].
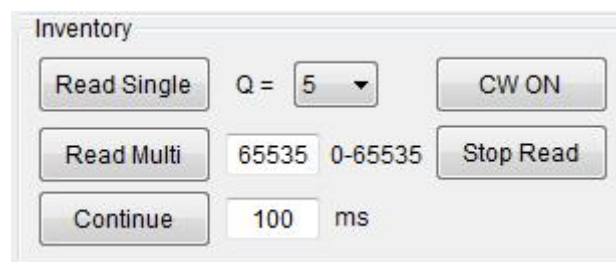


9.  The [Read Multi] button performs fast and finite inventory operation. The time interval of READ MULTI
    is controlled by the MCU counter of reader chip. The upper limit of READ MULTI counter is 65535. The

    [Stop Read] button can stop READ MULTI operation.

10. The [FHSS ON] button starts frequency hopping operation. After jump to next channel and not find any
    signal which is larger than -65dBm, the normal operation will perform. If the signal level is higher than

    -65dBm, the current channel would not be chosen and jump to other channel. The [FHSS OFF] button

can stop frequency hopping operation.

11. On the Read & Write Tag Memory Tab，click the target tag EPC of the EPC table，the tag EPC will be

shown in the

Mask

30 00 30 08 33 B2 DD D9 01 40 00 00 00 00 of Select Parameter and the

Selected EPC 30 00 30 08 33 B2 DD D9 01 40 00 00 00 00 of Read / Write Tag Memory ，in order to

perform SELECT operation and Read/Write/Lock/Kill operation.

12. For performing specific tag inventory, need to set up Select Parameter 后，check the SELECT checkbox

Read Single ☐ Select
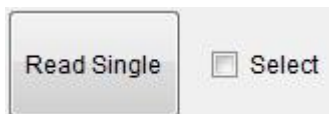
of Read & Write Tag Memory Tab. Then click READ SINGLE.

13. The write operation data length for tag memory should not exceed 16Words，i.e. 32Bytes/256Bits. The length is limited by internal SRAM of reader chip MCU.