

STReader tool ST25RU3993 GUI guide

Link to st.com to download demo app - <https://www.st.com/en/embedded-software/stsw-st25ru001.html#get-software>

Link to demo tutorial video - <https://www.st.com/en/nfc/st25ru3993.html#overview>

1. Install st25ru3993 software
2. Connect st25ru3993 eval board to PC
3. Open st25ru3993, click "Connect Reader."
4. Update the firmware to the version recommended by the GUI
5. Set the parameters as this - (Adjust TX Output level to 0, Rx Receive Gain to 19)

Reader Settings

6. Go to tuning and deactivate pretuning and retuning. In tuning section, select exact search and click tune.
7. Setup the tags and conduct a read range test.

Note:

- ❖ When there are too many tags within the reading range, the select option at the bottom of the GUI allows users to find/read only one tag. It selects the tag based on the entered



EPC.

- ❖ There are a couple of tuning options: the fast search should take the least time for inventory, and the exact search takes the longest time to find the tag but has the longest read range.

E.g. e2-80-11-60-60-00-02-05-4d-72-25-8a

The reader range is able to achieve **7 meter** in the hallway. It takes 2 seconds to recognize the tag.



