◤ QR Code reader
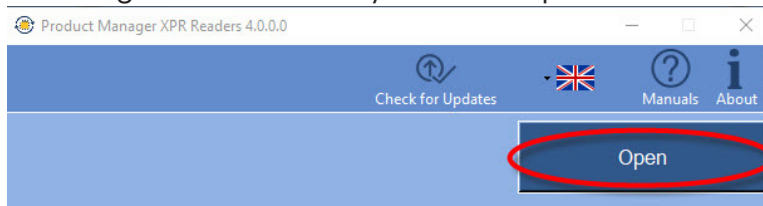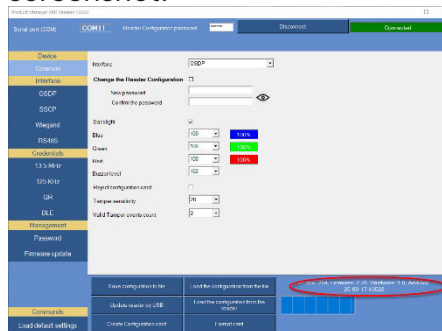
APPLICATION NOTE

A001

This application note explain how to configure QR Code Reader to read QR Code using Product Manager XPR Readers.

Configuring QR Code Reader to read QR Code using Product Manager XPR Readers

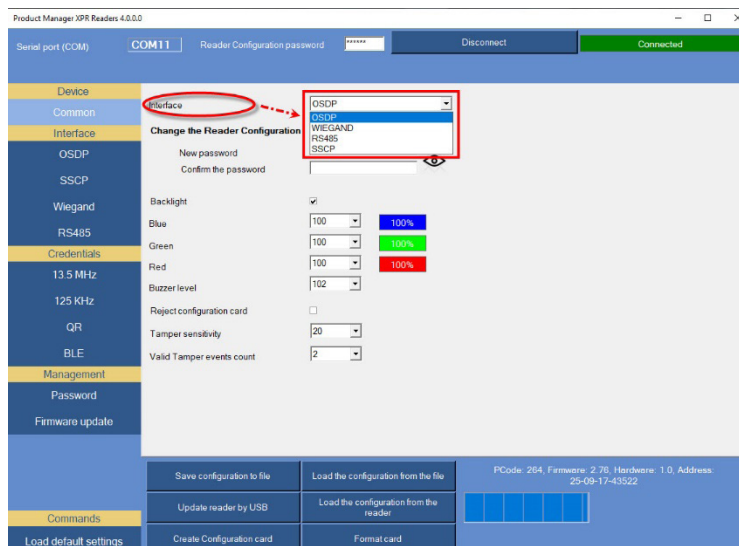1. Open Product Manager XPR Readers by click on "Open "button.

2. Product Manager XPR Readers Software will recognize the reader by showing the production code at right bottom marked at screenshot.
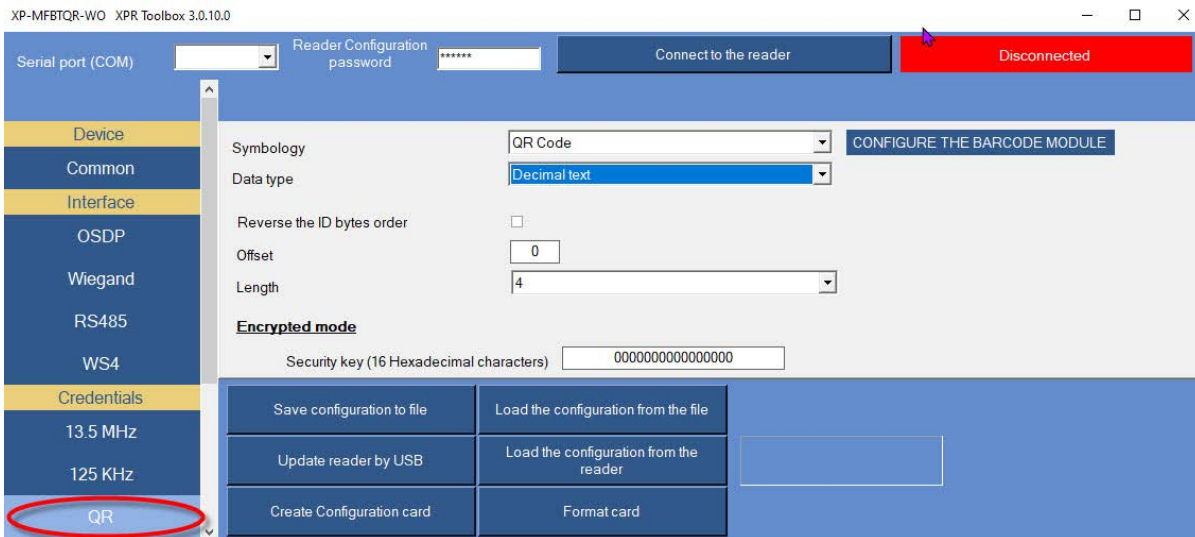

3. **Important!!!**

If you have started configuring the reader and all the parameters are set for configuring the reader and you want to configure the reader via the "Update Reader via USB" tab, when you click on the "Update Reader via USB" tab, if the current firmware version of the reader is older than the latest firmware version available for this reader model, a pop-up window will appear with the message "Please upgrade the device firmware to the latest version".

4. If you use OSDP, Wiegand Protocol or RS485 make all necessary settings.

5. Then you can use "Update reader by USB" tab if reader is connected at USB or you can create Configuration card and use for reader configuration

6. Open the product configuration and go to QR tab settings (buttons on the left pane).
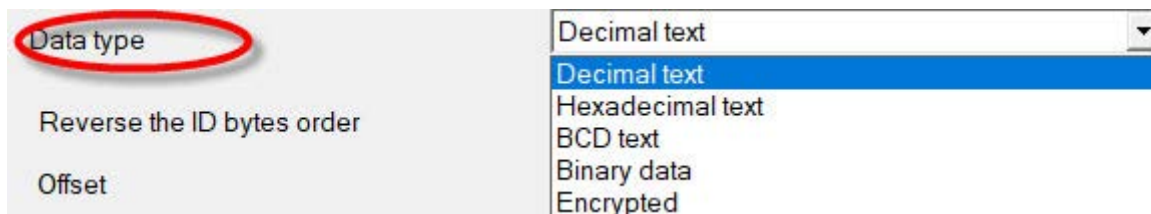
🔺 QR Code reader

7. Select data type. This defines how the QR data should be read (also how is created).

   - Decimal text means that QR is created with decimal text representing the ID number, like 123456. In this case offset and length are number of characters.

   - Hexadecimal text is the same as decimal, just number is in hex format, like 3AC56F.

   - BCD text is when QR content is bytes where number is in BCD like bytes are 23-45-67 and the ID is 234567. In this case length and offset are in bytes.

   - Binary data is when QR content is bytes from the ID, like bytes are 23-45-67 and the ID is 2311527.

   - Encrypted is a special mode where QR content is encrypted with our protocol. In this case you need our "QR code generator" app to create the QR image. I will send you the app by we transfer.

   Attached is a manual for this app. You need to configure Security key for the reader and use the same key when you are creating QR images with the app. For this mode offset and length are not required.

8. When the reader is used with OSDP or RS485, the QR content the reader can send to host can be up to 1000 bytes.