

FW Update by RS-485

O2S and x55 Readers

Technical Note

11 August 2016

1. Summary

This technical note explains how to update FW on the O2S and x55 readers using HyperTerminal and RS-485 communication.

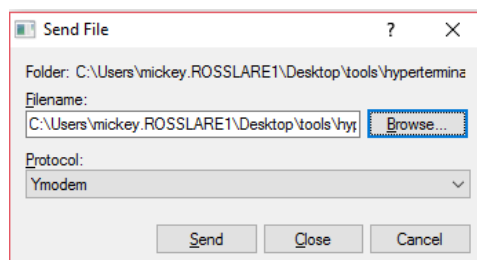
2. Connection

1. Connect the MD-14s/u orange wire to the reader's RS-485 A terminal or blue wire
2. Connect the MD-14s/u brown wire to the reader's RS-485 B terminal or gray wire.

Note: If the MD-14s is in use, the MD-14 red and black wires must be connected to a 12 VDC power source.

3. FW Update Process

1. Launch the HyperTerminal on your PC. If you are using an OS that does not have HyperTerminal, you can download it from [HERE](#).
2. Set a new connection by choosing the COM port to which the MD-14s/u is connected.
3. Set the COM port properties as follows:
 - Bits per Second: 57600
 - DATA Bits: 8
 - Parity: None
 - Stop Bits: 1
 - Flow Control: None
4. Once connected, go to **Transfer > Send File**.
5. Browse to the requested *.bin file and select it.
6. Set the protocol to **Ymodem**:



7. Click **Send**.

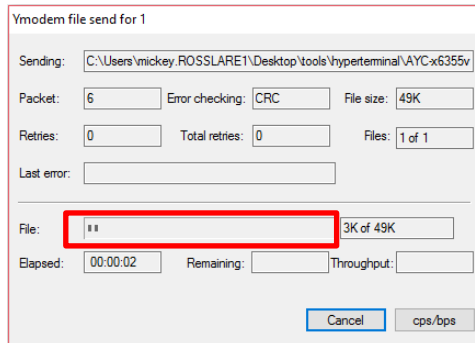
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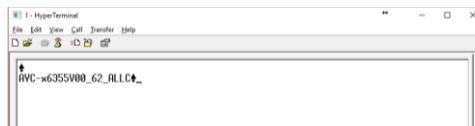
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8. Power up the reader:

You should see the progress in the File window:



9. If the process completes successfully, you should see the reader version number on the HyperTerminal negotiation screen:



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