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APS Communication Manual

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Creating PuTTY Profile

1. Connect the APS Communication Dongle, (PN 23244021), to your PC and the Teller control board/harness.
2. Open the “PuTTY” program.
3. Under “Basic options for your PuTTY session”, “Specify the destination you want to connect to”, select Serial.
4. Under “Category”, find “Connection”, open “Serial”. In “Options controlling local serial lines” fill in the following information: “Select a serial line”, “Serial line to connect to”. Fill in the COM port that the APS Communication Dongle connected to. In “Configure the serial line” set “Speed (baud)” to 9,600. Set “Data bits” to 8. Set “Stop bits” to 1. Set “Parity” to none. Set “Flow control” to none.
5. Save configuration as “APS Microfit”.

Downloading APS Counters using PuTTY

1. Connect the APS Communication Dongle, (PN 23244021), to your PC and the Teller control board/harness.
2. Open the “PuTTY” program.
3. Click on “APS Microfit” in the “Saved Sessions” box of the “PuTTY Configuration” window, then click “Load”, and then click “Open”. (Note: If you receive a “PuTTY Error, Unable to open connection to COM(NN), Unable to open Serial Port” error, click OK and refer to the Communications Error section of this document.)
4. Type an upper case “U”, and the download will start. The download will start at the Teller end and finish with the Customer end. Wait for “OK” to appear on your screen. By sliding the Scroll bar up and down, you can view the various counters, (counts are in Hexadecimal or Hex). The counts can be converted to decimal using the Windows scientific calculator by first selecting Hex, enter the value of the register then selecting Dec. There are other hexadecimal to decimal converters available on the web.
5. Click on the icon in the upper left corner of the “PuTTY” screen.
6. In the drop-down box, click on “Copy All to Clipboard”.
7. Open Microsoft Word (or similar document program).
8. In a new document, right click and select “Paste”, (or hold down the “Ctrl” key and hit “V”).
9. Save this document to and with a file name that you can find later. (It would be best to save it to a file using the banks name, with a document name that says which lane the data is from.)
10. Switch back to the PuTTY program, and click on the icon in the upper left corner again.
11. In the drop-down box, click on “Clear Scrollback”.
12. Click on the icon again, click on “Reset Terminal”.
13. If you want to reset the counters in the system, type the following letters in upper case. Type “P”, wait for wording to appear onscreen and then type a “T” to reset the Teller counters. Then to reset the Customer counters type “P”, wait for wording to appear and then type “C”.

To download data from another lane of APS, unplug the Dongle from the Teller control board/harness, and plug it into the Teller control board/harness of the other lane, (you do not have to power down the lane). Start the above procedure for the new lane at step 4, and paste the data to a new document, then save it with a different document name.

Resetting APS Counters using PuTTY

1. Connect the APS Communication Dongle, (PN 23244021), to your PC and the Teller control board/harness.
2. Open the “PuTTY” program.
3. Click on “APS Microfit” in the setup list, then click “Load”, and then click “Open”.
4. If you want to see if there any Errors or see the cycle count, type an upper case “U”, and the download will start. The download will start at the Teller end and finish with the Customer end. Wait for “OK” to appear on your screen. By sliding the Scroll bar up and down, you can view the various counters, (counts are in Hexadecimal or Hex). Otherwise skip to step 7.
5. In the drop-down box, click on “Clear Scrollback”.
6. Click on the icon again, click on “Reset Terminal”.
7. If you want to reset the counters in the system, type the following letters in upper case. Type “P”, wait for wording to appear onscreen and then type a “T” to reset the Teller counters. Then to reset the Customer counters type “P”, wait for wording to appear and then type “C”.

PuTTY Communication Error

If you receive a “PuTTY Error, Unable to open connection to COM(NN), Unable to open Serial Port” error window, click OK and follow the following steps to resolve the error.

1. Find the Windows “Device Manager”.
2. On the Device Manager page, click on the (+) sign next to the description “Ports(COM & LPT)”.
3. Find the description “USB Serial Port (COMnn)”, and make a note of the numbers in the “nn” position.
4. Close all the windows that you have opened during this procedure.
5. Open “PuTTY”, click on “APS Microfit, and then click “Load”.
6. In the “Serial Line” box, change the number at the end of “COM” to match the number you found in “USB Serial Ports”, under “Ports (COM & LPT)” of Device Manager.
7. Click “Open” to start the “PuTTY” software.

