Controlinc Network Master Firmware Download Procedure

M124 and M250 Models

EMERSON™

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Section 1: Firmware Download Procedure

1.   Turn off power to master to be upgraded. Power may remain on the other chassis.
2.   Remove Coprocessor from the PLC rack slot 1 (first module beside the main CPU).
3.   Insert the "Clear All" jumper onto the 2-pin header.

Figure 1
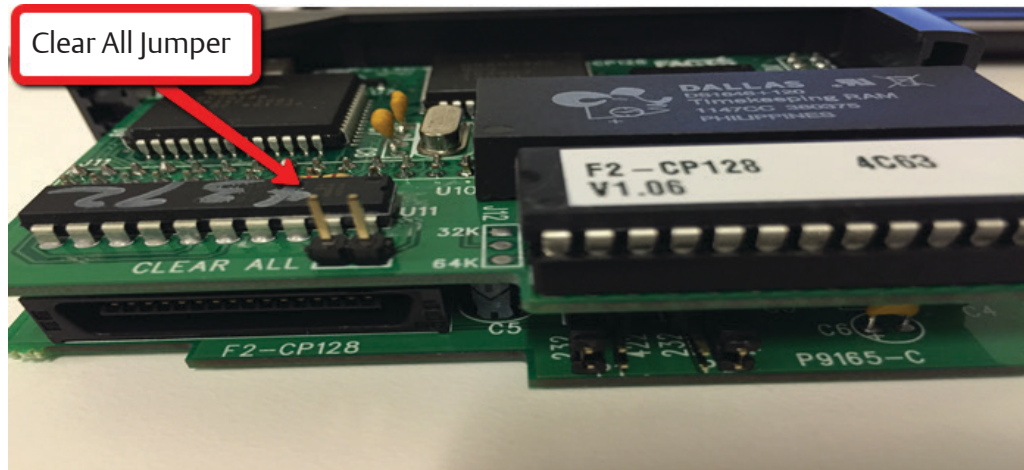
4.   Insert the module back into the rack.
5.   Cycle power to the master on and then off.
6.   Again, remove the Coprocessor form the rack.
7.   Remove the "Clear All" jumper and place on only one pin of the 2-pin header.
8.   Insert the module back into the rack.
9.   Connect RJ12 cable end to Port 1 of the Coprocessor and the DB9 end to the PC.
10.   Turn on power.

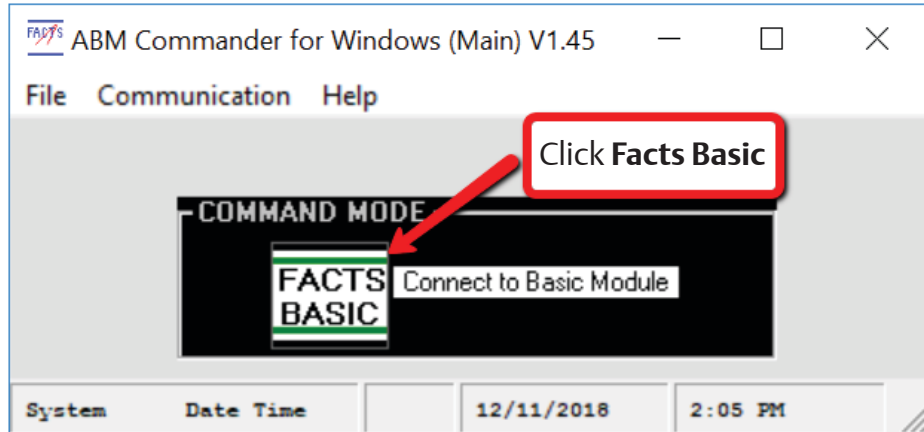11. Open ABM Commander application on the PC.
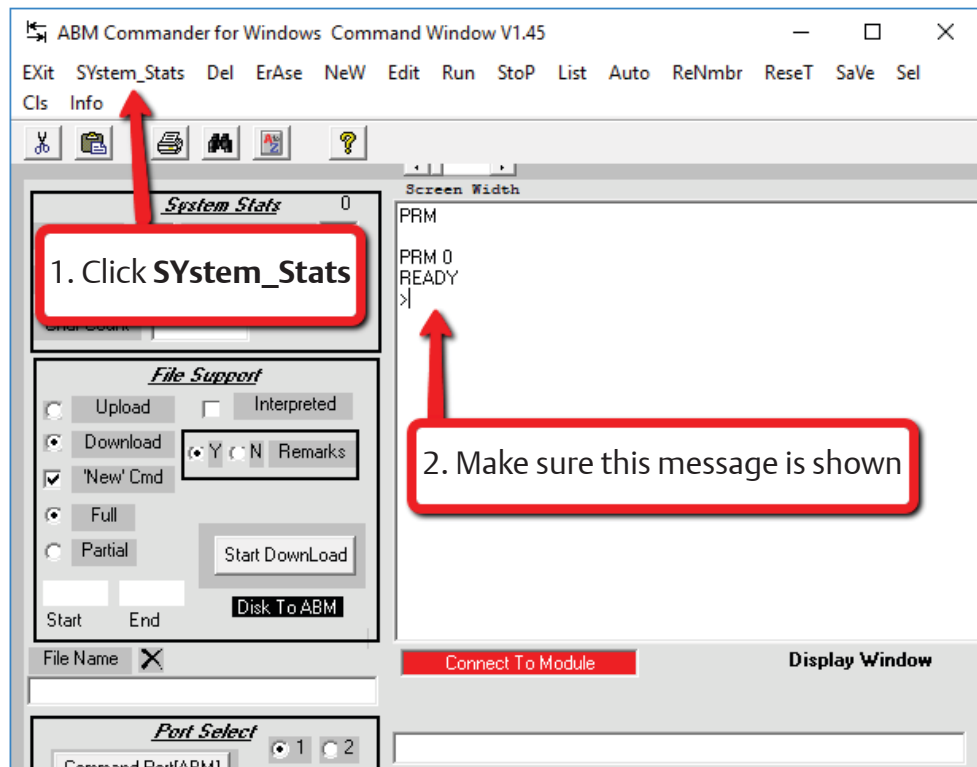
Figure 2
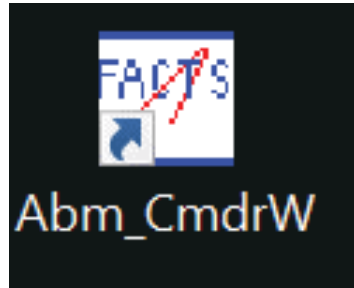
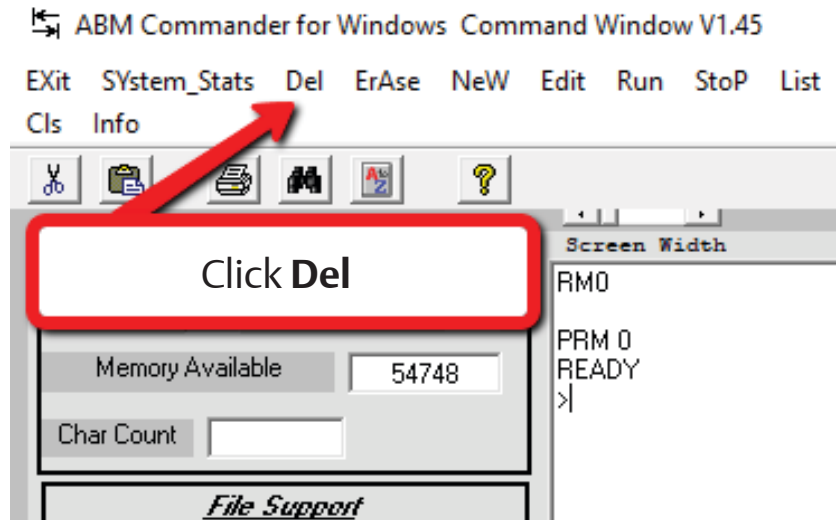12. Click Continue.

Figure 3

13.   Click Facts and Basic.

Figure 4

14.   Click System_Stats.
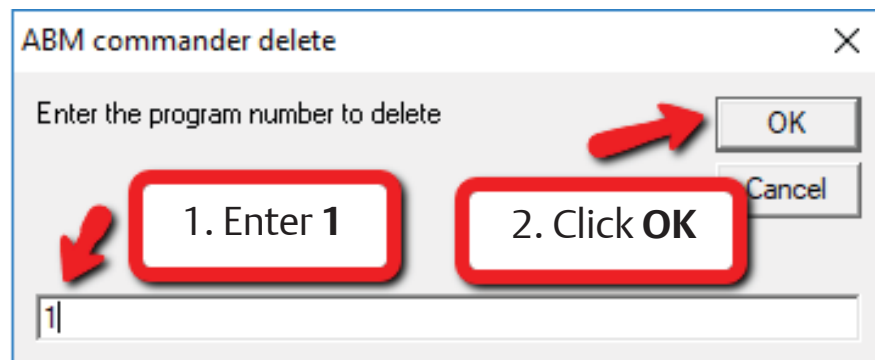
Figure 5

15.   Click Del.

Figure 6

16.   Enter 1 and Click OK.

Figure 7

17. Click Yes.

Figure 8
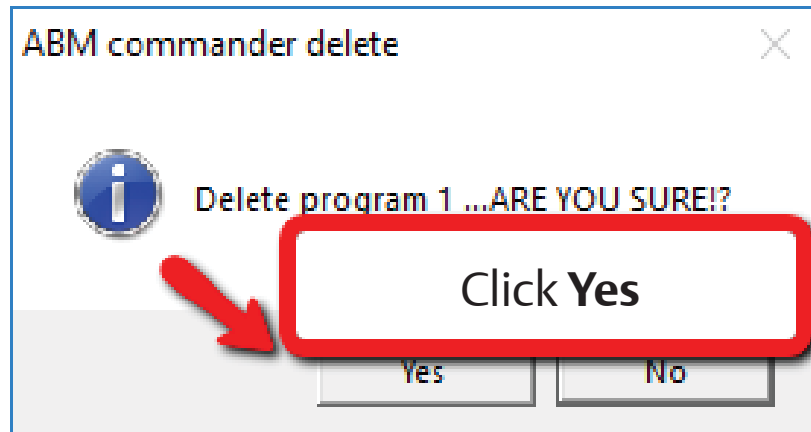
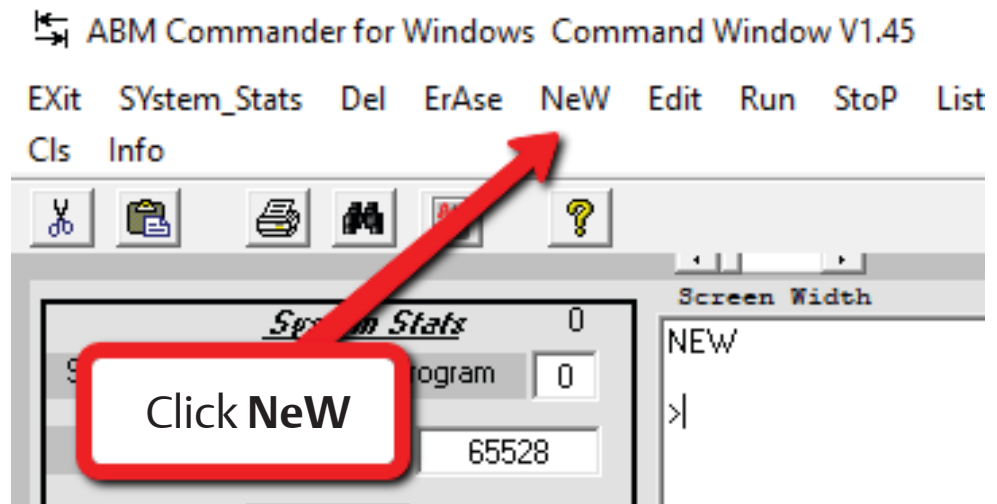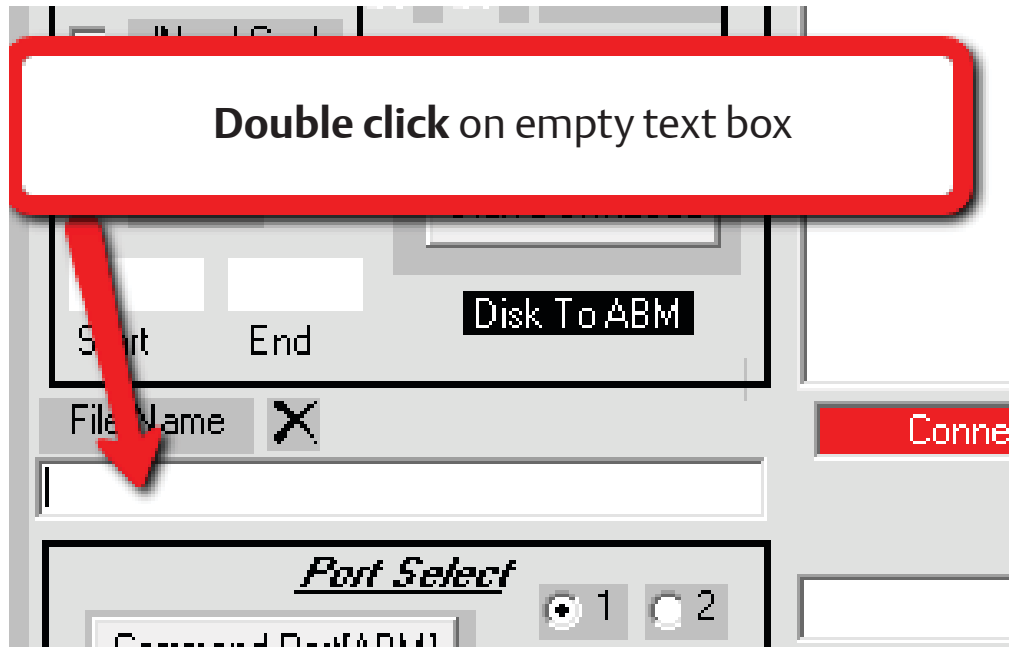
18. Click New.

Figure 9

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19.   Navigate to firmware file by Double Click on empty text box.

Figure 10

20.   Select File per Model.
- First Coprocessor's file
  — For M124 Model use this file M124NXXX.ABM
  — For M250 Model use this file M250_XXX.ABM
- Second Coprocessor's file
  — For M124 Model use this file LCD124_X.ABM
  — For M250 Model use this file M25MBPXX.ABM
- Third and Fourth Coprocessor's share the same file
  — For M124 Model use this file M124MBXX.ABM
  — For M250 Model use this file M250MBXX.ABM

21.   Click Start Download and Click Yes to confirm download.

22.   When download is finished, click "SaVe" menu item at the top of the window. The message 1 program saved should be displayed.

Figure 11
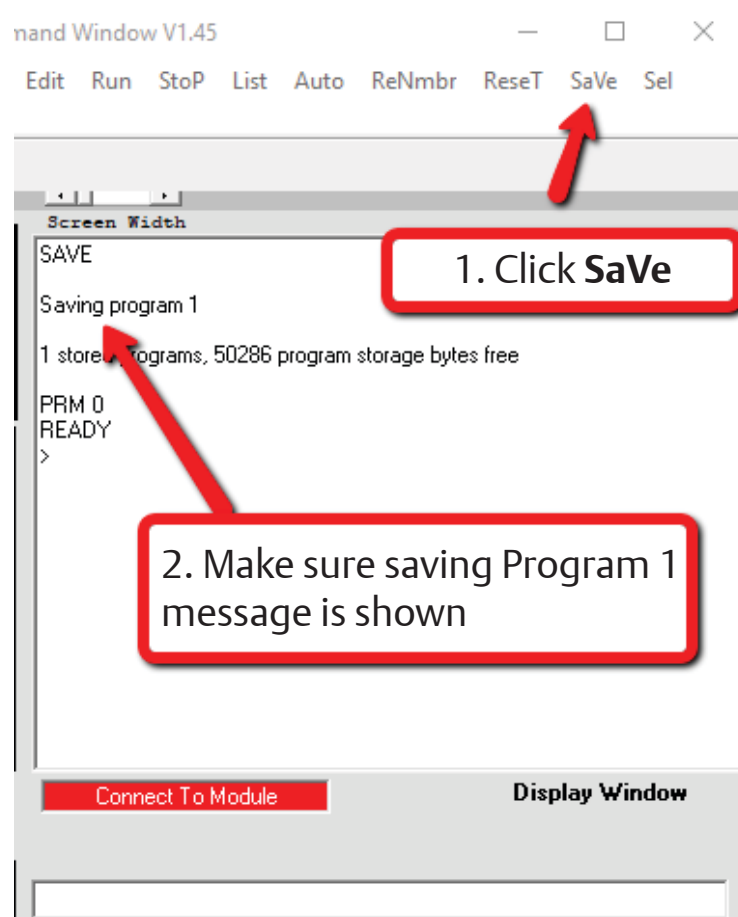
23.   Click in the "Command Line" box at the bottom of the window and then type AUTOSTART 1,1,9600 and hit Enter key.
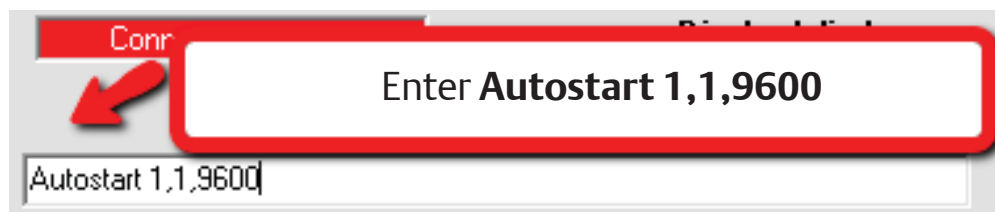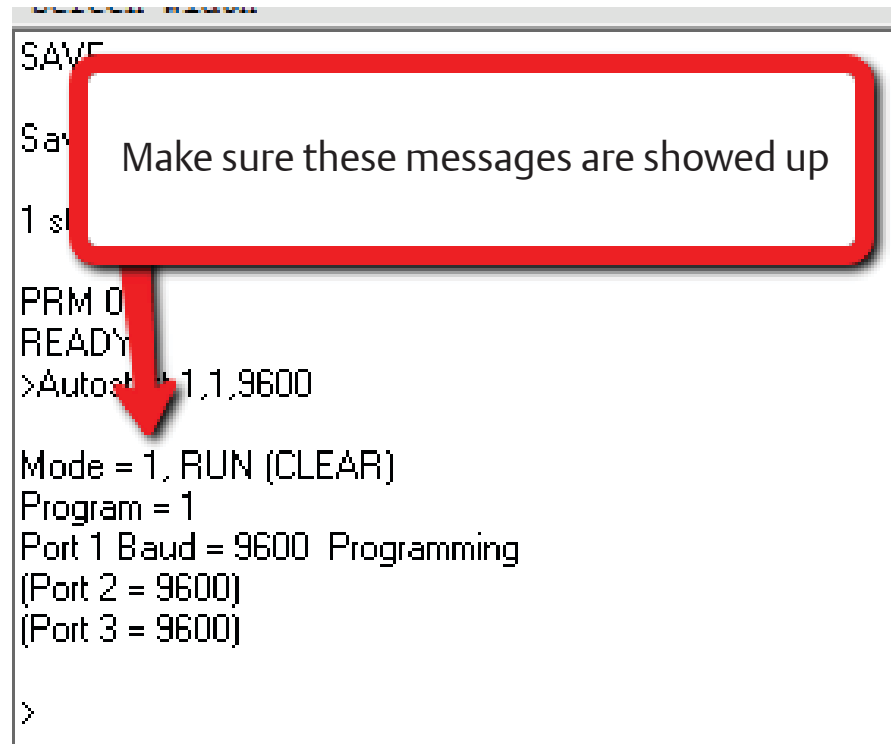
Figure 12

Figure 13

24.   Click StoP Before Programming the next Coprocessor.

25.   Disconnect programming cable and reconnect network interface cable to Port 1 of the Coprocessor.

26.   Move the mode switch on the main PLC processor to the "RUN" mode.

27.   Cycle power to the master. The process for this master is complete.

28.   Repeat the same process for the second PLC chassis in the network master box.
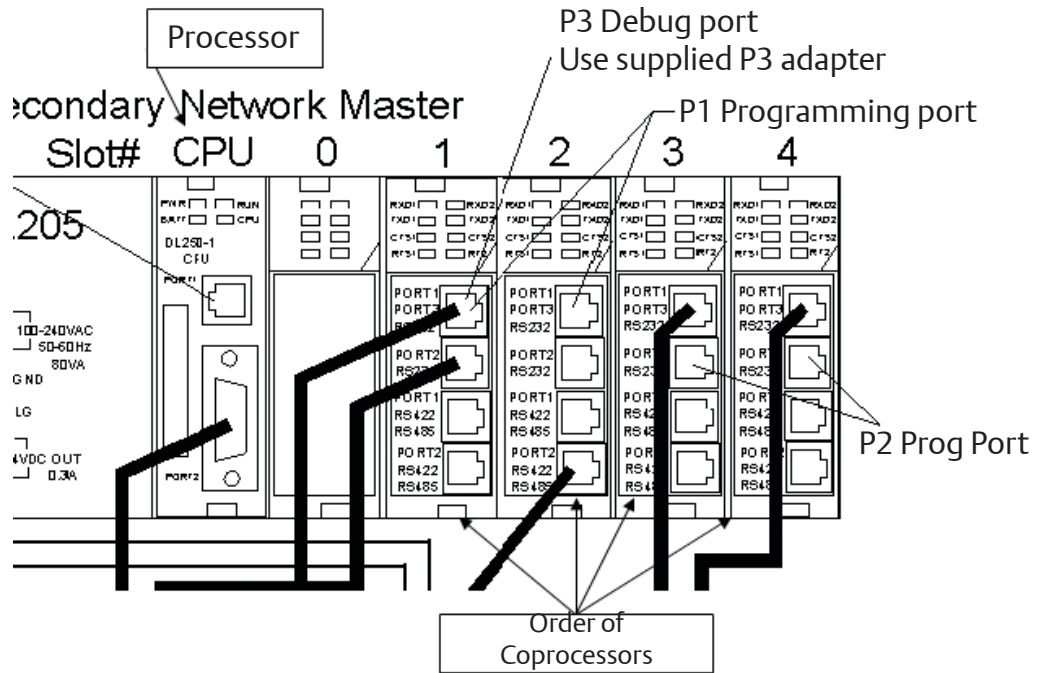
Appendix A: Short Version with No Pictures

1.   Click SYstem_Stats
2.   Click Del, Enter 1, OK, Yes
3.   Click New
4.   Choose a file
5.   Start Download
6.   Click SaVe
7.   Do Autostart 1,1,9600
8.   StoP

Appendix B: Network Master and Coprocessor's Layout

This Figure shows locations and identifications of each module.

Figure 14

Appendix C: Programming Cable

Programming cable supplied with Network Master.

Figure 15

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