



Initial Modem Communication Procedure

This document provides two different methods of communicating via dial-up modem with a Master Controller for the first time. A involves a procedure to follow when there is one Technician at the Master Controller and One at the PC and requires no pre-programming. B involves connecting the Master Controller to a Laptop or PC and pre-programming the Master Controller with the PC's phone number so it begins to communicate when powered up.

A: Connect to the Master Controller with No Pre-Programming:

1. Confirm that all modem connections at the Master Controller and at the PC are made according to the instructions in the Manual. The Modem at the controller should get its power from the 12 VDC card reader terminals.
2. Power the Master Controller up and wait. After initial power up the Master Controller will force the modem off-hook and will attempt to dial out.
3. After the dialing attempt, which fails because the controller does not yet know the PC's correct phone number, unplug the Host terminal block that connects the modem and the Master Controller. This should be done at the DSX controller and not at the Modem or MCI.

4. Now the Modem is ready to receive a call from the PC. Initiate a call from the PC. Once the Modem at the DSX Master Controller answers, plug the Host Port terminal back into the DSX controller. This will allow the DSX controller to receive the initial download.

B: To Pre-Program the PC's Phone Number into the Masters Controllers Non-Volatile Memory:

1. To have the Master controller automatically dial out upon initial power up at the job site, the PC's phone number must be entered into the Master Controller ahead of time. The Master Controller can be connected directly to a PC or Laptop at the office or in the field and with the use of KB2CW.EXE a phone number can be programmed into non-volatile memory. The controller, upon power up will automatically call the PC using the stored phone number and request a parameter download.
2. From the WinDSX folder on the PC, start KB2CW.EXE, go to "Comm Port", "Define Port", Enter the Port number that is being used to connect the DSX controller to the PC or Laptop, and then click "OK".
3. Press the "Enter" key 4-5 times; a DSX prompt (DSX>) should appear on the screen. At the DSX prompt type in "SP" and press "Enter". The PC phone number (up to 16 digits) can now be programmed into the non-volatile memory.
4. For more instructions on the KB2CW.EXE program and what this program, can change, see the KB2CW.EXE section in the DSX Hardware Installation Manual.