

NetworX NX586E

Direct Connect Instructions

I. DESCRIPTION

The NX586E can perform the same functions of the NX586 Direct Connect plus a number of additional functions. It can now store up to four (4) NetworX alarm panel configurations -- panel only, no modules -- within its own non-volatile memory. These files can be created using the Caddx DL900 software (1.13 or later) without a panel attached (power must still be supplied). The files can also be created using the installer program mode on any existing NetworX panel without the need for any computer. The files stored on the Direct Connect unit can be transferred to any panel of the same type, or read by the DL900 software for reviewing, editing and archiving purposes.

II. REQUIREMENTS

- ◆ Computer running DL900 (Caddx download software for Windows®) with available serial port
- ◆ NX586E Direct Connect module
- ◆ Any NetworX control panel

III. OPERATIONS

A. PC TO PANEL DIRECT CONNECT

1. Connect NX586E to serial port.
2. Connect cable with alligator clips to a NetworX panel as follows:
 - a. Red to POS
 - b. Black to COM
 - c. Green to DATA
3. Start the DL900 Download software.
4. Select: **PROGRAM → SETUP → DIRECT CONNECT SETTINGS**
5. Select the correct port number and baud rate. Protocol must be Binary (default). The baud rate should match the NX586E. Default is 9600. Click OK.
6. Select the account to use.
7. Select **DOWNLOAD → DIRECT CONNECT** **Note:** You can also use the tool bar or the [F11] key.
8. Download as normal. You cannot perform the following:
 - a. View keypad status
 - b. Enroll devices

B. WRITING DATA FROM THE DL900 DOWNLOAD TO THE NX586E

The NX586E will hold the entire programming worksheet for up to four (4) NetworX control panels.

Note: Programming information for the modules will NOT be read or written to/from the NX-586E.

1. Perform steps 1-6 in the Section III – “SETUP” of this document.
 - ☛ In step 2, COM and POS can be connected to any 12 VDC source, and DATA does not need to be connected.
2. Select: **DOWNLOAD → WRITE PANEL DATA TO 586**
 - ☛ You will be warned this could overwrite user codes (if they were changed by the user).
3. Select the location in the NX586E where the data will be stored. **Note: This will overwrite the existing data without further prompting.**
4. A screen will appear indicating that the data is being sent. When this screen disappears, the process is complete.

C. READING DATA FROM THE NX586E TO THE DL900 DOWNLOAD

1. Perform steps 1-6 in the Section III – “SETUP” of this document.
 - ☛ In step 2, COM and POS can be connected to any 12 VDC source, and DATA does not need to be connected.

2. Select: **DOWNLOAD → READ PANEL DATA FROM 586**
3. Select the location in the NX586E from which the data will be retrieved.
4. A screen will appear indicating that the data is being read. When this screen disappears, the process is complete.

D. USING THE NX586E WITHOUT A COMPUTER:

1. Attach the cable with the three alligator clips to the proper terminals on the NetworX panel (Refer to Section III). **Note:** If you have a keypad installed in partition 8, keypad 8, it must be removed during this operation.
2. On a Partition 1 keypad, enter *** 8**
3. Enter the 4- or 6-digit program code (default is 9713).
4. When prompted for the device number, enter **2 5 5 #**
5. When prompted for the location, enter **0 #**
6. To *READ* or *WRITE*:
 - A. Read (store the NetworX panel configuration into a file on the NX586E):
 - a) Enter **1 ***
 - b) Enter the number of the file (**1 to 4**) in which you wish to save it
 - c) Enter *** #**
 - d) The 'Receiving Data' LED will flash if the command is being carried out. The keypad sounder will chime ('ding-dong') if the operation is successful.
 - B. Write (copy a file from the NX586E to the NetworX panel):
 - a) Enter **2 ***
 - b) Enter the number of the file to copy (**1 to 4**) *** #**
 - c) The 'Sending Data' LED will flash if the command is being carried out. The keypad sounder will chime ('ding-dong') if the operation is successful.
7. A 'triple beep' will sound if any error occurred during either Read or Write. You can view the result in Location 0 / Segment 1. Refer to Table 1 below for an explanation of possible results.

LOCATION 0	TASKS & RESULTS	7 segments
------------	-----------------	------------

This is the only location used on the NX586E. The seven segments have the following functions and meaning:

Table 1

Segment 1 Used to set the task to perform (read or write) and display the result of the task requested.

0 = Idle condition	
1 = Read panel configuration into a file	COMMAND
2 = Write a file's configuration into the panel	COMMAND
10 = Working	RESULT
11 = Invalid command; installer entered a value other than 1 or 2	RESULT
12 = Invalid file number; installer entered a file number other than 1-4	RESULT
13 = Incorrect panel type; the panel and file types do not match	RESULT
14 = Incorrect access code; the panel and file access code do not match	RESULT
15 = Timeout; the requested command had no data exchange for 3 seconds	RESULT
16 = Aborted; the previous command was aborted by attempting another command	RESULT
20 = Transfer successful; the previous read or write command was successful	RESULT

Segment 2 Used to hold the file number for the requested read or write command. The only valid values are 1-4. This segment is always set to 0 after any command to prevent accidentally overwriting an incorrect file.

Segments 3 - 6 Used to indicate the panel type stored in files 1-4 respectively.
Results 0 - 3 applies to the standard NetworX panels (NX4 / NX6 / NX8)
Result 4 applies to the NX8E panel

Segment 7 Used to set the baud rate for the RS-232 connection (must match that of the DL-900 program). The valid values are 0-7 and will be reset to 4 (9600 baud - factory default) if set incorrectly.

0 = 600 Baud	2 = 2400 Baud (2.4K)	4 = 9600 Baud (9.6K)	6 = 38400 Baud (38.4K)
1 = 1200 Baud (1.2K)	3 = 4800 Baud (4.8K)	5 = 19200 Baud (19.2K)	7 = 76800 Baud (76.8K)