



345 Bayview Avenue
Amityville, New York 11701
For Sales and Repairs 1-800-ALA-LOCK
For Technical Service 1-800-645-9440
or visit us at <http://tech.napcosecurity.com/>

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ALPCI2-U

DL-Windows Communication Interface Cable INSTALLATION INSTRUCTIONS

WI2069A 01/14

GENERAL DESCRIPTION

The **ALPCI2-U** is an interface cable that allows high speed communication between a PC running DL-Windows software and a compatible Trilogy Digital Lock or an AL-DTM *Data Transfer Module*. Using the ALPCI2-U cable, the PC can upload or download programming to / from the lock, and upload event history. Compatible with all Trilogy Digital Locking devices equipped with data ports.

SPECIFICATIONS

Input Power: Supplied by the PC

Dimensions: 3 1/8"L x 1/2"H x 7/8"W with 52" cord

Also supplied with a USB extension cable (for computers with USB sockets positioned in very close proximity).

SYSTEM REQUIREMENTS

For optimal performance, the following minimum requirements are *recommended*:

- **Supported operating systems:** Windows XP Service Pack 3, Windows 7, 32-Bit and 64-Bit Systems
- **Processor:** 1 GHz or faster minimum (2GHz or faster is recommended)
- **RAM:** 1GB or more is recommended
- **Hard Disk Space:** 1GB or more is recommended
- **DL-Windows software**
- **One unused USB Communications Port** (see **DRIVER INSTALLATION**).

DRIVER INSTALLATION

1. Insert the "**ALPCI2-U Drivers**" CD into the CD drive of your PC.
2. The CD should AutoRun; if not, explore the files on the CD. Open the folder named "**CP210x_VCP_Windows**".

For 32-bit operating systems, run the file "**CP210xVCPInstaller_x86.exe**" by double-clicking it.

For 64-bit operating systems, run the file "**CP210xVCPInstaller_x64.exe**".

3. In the window that appears, click **Next**, click the radio button to accept the License Agreement and click **Next** again. The appropriate drivers for your operating system will install.
4. When the message indicates that the drivers are successfully installed on your PC, click **Finish** to exit

and remove the CD from the drive.

Note: If using DL-Windows V4.1.96, only COM ports 1-4 may be used; if necessary, use **Device Manager** (found in the Windows System Properties) to configure the COM port that you use with the ALPCI2-U as either COM1, COM2, COM3 or COM4. If using DL-Windows V5 or later, any COM port can be used.

OPERATION

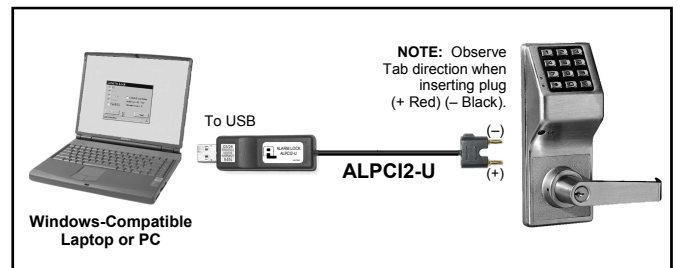
For details regarding the use of the ALPCI2-U, refer to the User Guide included with your copy of DL-Windows.

CONNECTIONS

Refer to the following wiring diagrams / applications.
Warning: Polarity MUST be observed when inserting the double-ended banana plug; the tab (→) must plug into the left hole (black).

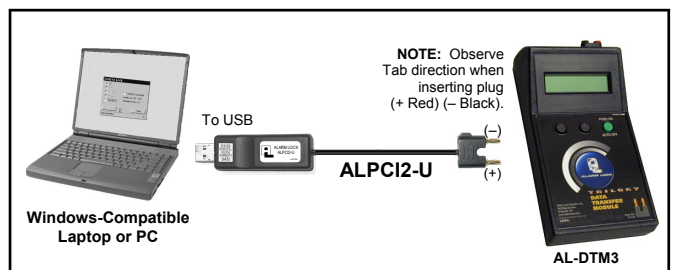
Application 1:

Program the Lock directly using a PC.



Application 2:

Send lock programs containing Users, Schedules, Features, etc. from your PC to the AL-DTM3 --OR-- use the AL-DTM3 to retrieve logged events from your locks, then transfer the data to your PC.



ALARM LOCK LIMITED WARRANTY

ALARM LOCK SYSTEMS, INC. (ALARM LOCK) warrants its products to be free from manufacturing defects in materials and workmanship for twenty four months following the date of manufacture. ALARM LOCK will, within said period, at its option, repair or replace any product failing to operate correctly without charge to the original purchaser or user.

This warranty shall not apply to any equipment, or any part thereof, which has been repaired by others, improperly installed, improperly used, abused, altered, damaged, subjected to acts of God, or on which any serial numbers have been altered, defaced or removed. Seller will not be responsible for any dismantling or reinstallation charges, environmental wear and tear, normal maintenance expenses, or shipping and freight expenses required to return products to ALARM LOCK. Additionally, this warranty shall not cover scratches, abrasions or deterioration due to the use of paints, solvents or other chemicals.

THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. THERE IS NO EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR A WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. ADDITIONALLY, THIS WARRANTY IS IN LIEU OF ALL OTHER OBLIGATIONS OR LIABILITIES ON THE PART OF ALARM LOCK.

Any action for breach of warranty, including but not limited to any implied warranty of merchantability, must be brought within the six months following the end of the warranty period.

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In case of defect, contact the security professional who installed and maintains your security system. In order to exercise the warranty, the product must be returned by the security professional, shipping costs prepaid and insured to ALARM LOCK. After repair or replacement, ALARM LOCK assumes the cost of returning products under warranty. ALARM LOCK shall have no obligation under this warranty, or otherwise, if the product has been repaired by others, improperly installed, improperly used, abused, altered, damaged, subjected to accident, nuisance, flood, fire or acts of God, or on which any serial numbers have been altered, defaced or removed. ALARM LOCK will not be responsible for any dismantling, reassembly or reinstallation charges, environmental wear and tear, normal maintenance expenses, or shipping and freight expenses required to return products to ALARM LOCK. Additionally, this warranty shall not cover scratches, abrasions or deterioration due to the use of paints, solvents or other chemicals.

This warranty contains the entire warranty. It is the sole warranty and any prior agreements or representations, whether oral or written, are either merged herein or are expressly cancelled. ALARM LOCK neither assumes, nor authorizes any other person purporting to act on its behalf to modify, to change, or to assume for it, any other warranty or liability concerning its products.

In no event shall ALARM LOCK be liable for an amount in excess of ALARM LOCK's original selling price of the product, for any loss or damage, whether direct, indirect, incidental, consequential, or otherwise arising out of any failure of the product. Seller's warranty, as hereinabove set forth, shall not be enlarged, diminished or affected by and no obligation or liability shall arise or grow out of Seller's rendering of technical advice or service in connection with Buyer's order of the goods furnished hereunder.

ALARM LOCK RECOMMENDS THAT THE ENTIRE SYSTEM BE COMPLETELY TESTED WEEKLY.

Warning: Despite frequent testing, and due to, but not limited to, any or all of the following; criminal tampering, electrical or communications disruption, it is possible for the system to fail to perform as expected. ALARM LOCK does not represent that the product/system may not be compromised or circumvented; or that the product or system will prevent any personal injury or property loss by burglary, robbery, fire or otherwise; nor that the product or system will in all cases provide adequate warning or protection. A properly installed and maintained alarm may only reduce risk of burglary, robbery, fire or otherwise but it is not insurance or a guarantee that these events will not occur. CONSEQUENTLY, SELLER SHALL HAVE NO LIABILITY FOR ANY PERSONAL INJURY, PROPERTY DAMAGE, OR OTHER LOSS BASED ON A CLAIM THE PRODUCT FAILED TO GIVE WARNING. Therefore, the installer should in turn advise the consumer to take any and all precautions for his or her safety including, but not limited to, fleeing the premises and calling police or fire department, in order to mitigate the possibilities of harm and/or damage.

ALARM LOCK is not an insurer of either the property or safety of the user's family or employees, and limits its liability for any loss or damage including incidental or consequential damages to ALARM LOCK's original selling price of the product regardless of the cause of such loss or damage.

Some states do not allow limitations on how long an implied warranty lasts or do not allow the exclusion or limitation of incidental or consequential damages, or differentiate in their treatment of limitations of liability for ordinary or gross negligence, so the above limitations or exclusions may not apply to you. This Warranty gives you specific legal rights and you may also have other rights which vary from state to state.



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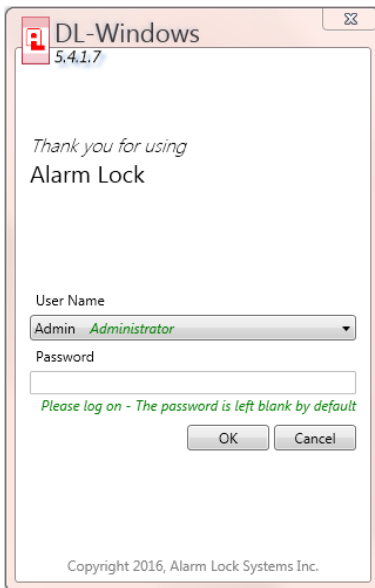
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DL-WINDOWS™

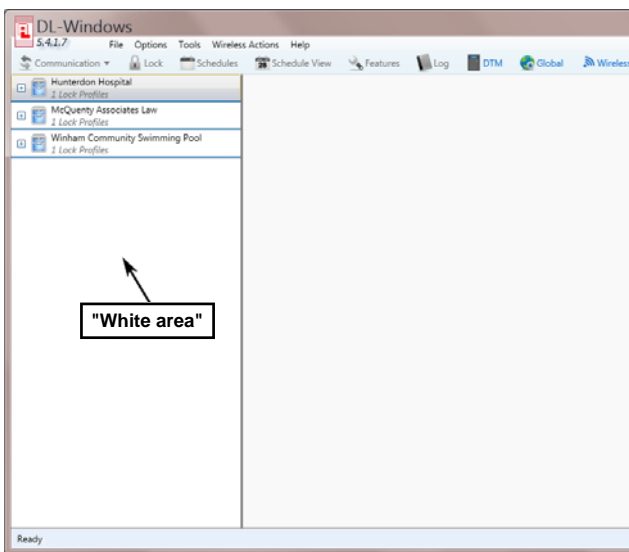
V5.4.x QUICK START GUIDE

WI1152CLF 8/17

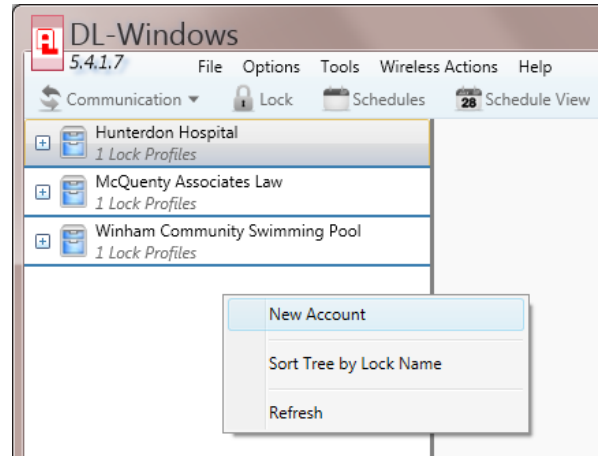
1. To open DL Windows, click the DL Windows icon on the desktop. The log on screen appears (below). The User Name is "Admin"; a password is not required, therefore click **OK** to begin.



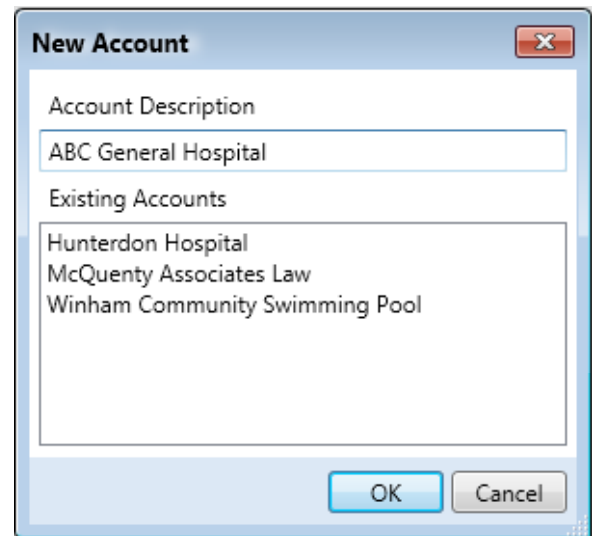
Existing accounts appear in the "white area" on the left side of the screen.



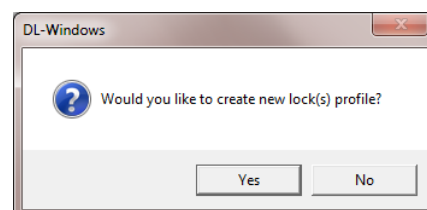
2. To create a new Account, right-click the white area. From the pop-up window, click **New Account**.



3. In the **New Account** dialog, type a description in the **Account Description** field, and click **OK**. In the following example we will use "ABC General Hospital".



4. **Create Locks.** Click **Yes** when asked to create new lock profiles.

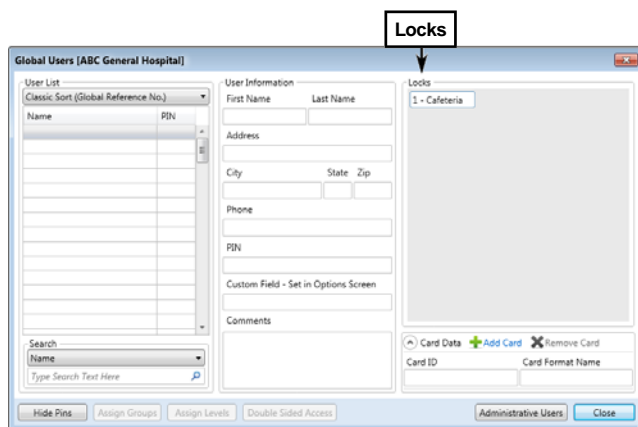


In the **New Lock Profile** dialog (shown below),

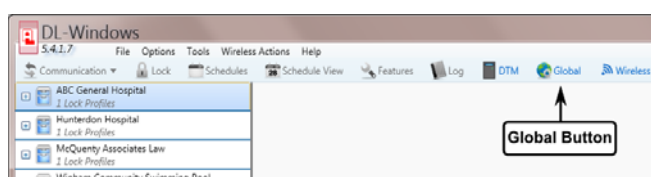
type a new lock profile description, choose your **Lock Type** (using the Alarm Lock model numbers) and the number of locks you want to create. For this example we will call our first lock "Cafeteria". When finished, click **OK**.



Please note that each created lock will appear in the **Locks** section of the **Global Users** screen (see image below). Up to 2000 locks may be created within each Account.

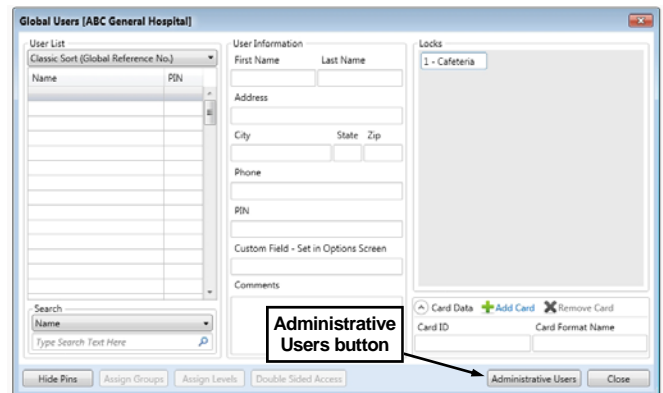


5. To open your newly created Account or an existing Account, click the Account name in the Account list (on the left side of the screen). The **Global** button illuminates.

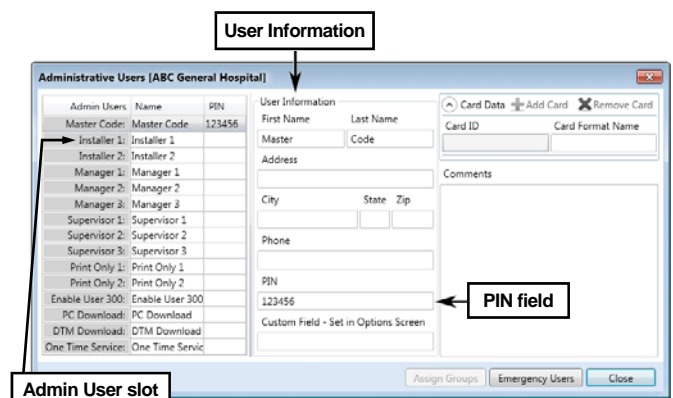


6. Click the **Global** button to open the **Global Users** screen, and click the **Administrative**

Users button to set the User Codes for the *Master, Installers, Managers, DTM, PC Download, etc.* (see image below).

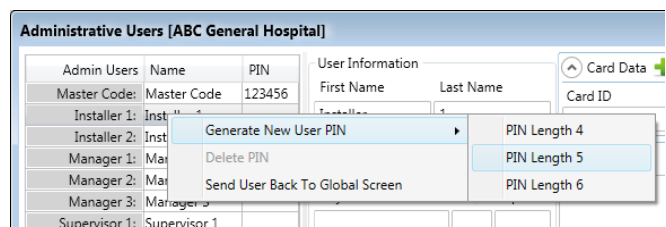


7. **Add administrative users.** Add all names first, then go back and add PIN codes and/or proximity cards. Click on an Admin User slot, then add user information in the **User Information** section.

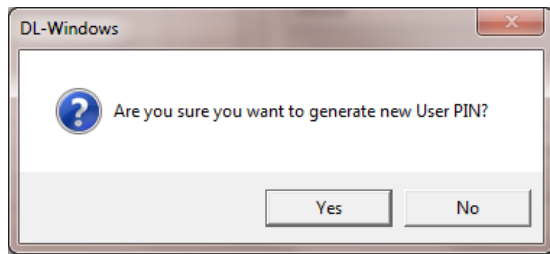


Add PIN codes one at a time by either:

- highlighting an individual name and typing a code individually into the **PIN** field (shown above), or
- highlight and right-click a name, then have the software generate a 4- to 6-digit random code from the pop-up window.



After selecting a PIN length, click **Yes** on the pop-up to confirm.

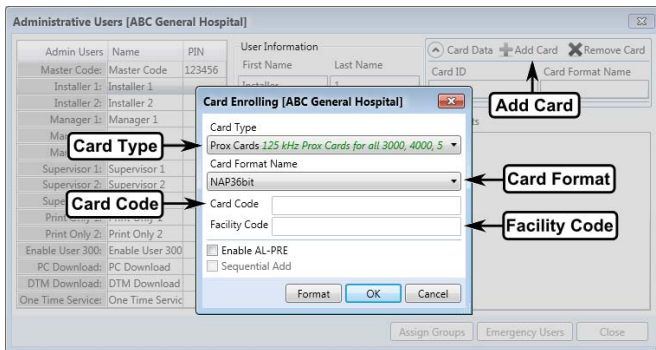


Note: The **Master Code** must be 6 digits long.

7b. Add proximity cards to users. Select a user, click **Add Card** and choose the correct **Card Type** and **Card Format**. Next, type the **Card Code** and **Facility Code**.

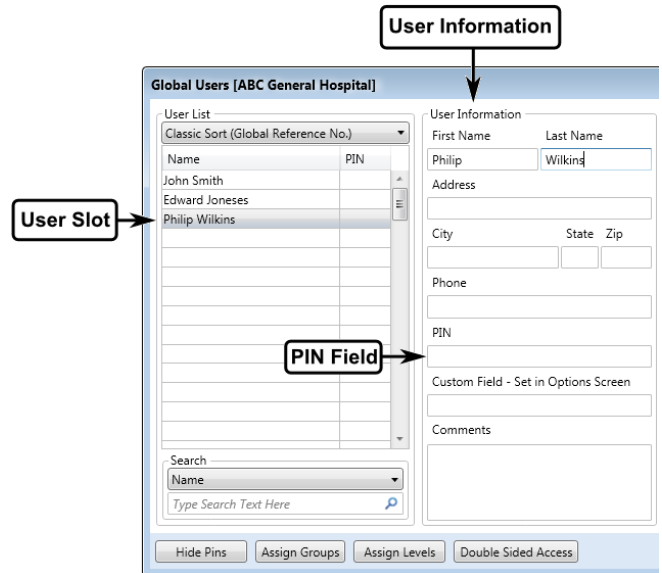
When using HID Prox cards from Alarm Lock, select as follows:

- **Card Type:** Select "**Prox Cards 125kHz Prox Cards for all...**"
- **Card Format:** Select "**NAP36bit**"
- **Facility Code:** Select "19"
- **Card Code:** (Type the number printed on the card itself)



When finished, click **OK**. The selected user name is highlighted when card data is successfully added, and a "card" icon is shown next to the user. **Note:** The **Master Code** cannot have a Prox card assigned.

8. Add "Basic Users" to the Global Users screen. Add all names first, then go back and add PIN codes and/or proximity cards. Click on a user in the **User List**, then add user information in the **User Information** section.

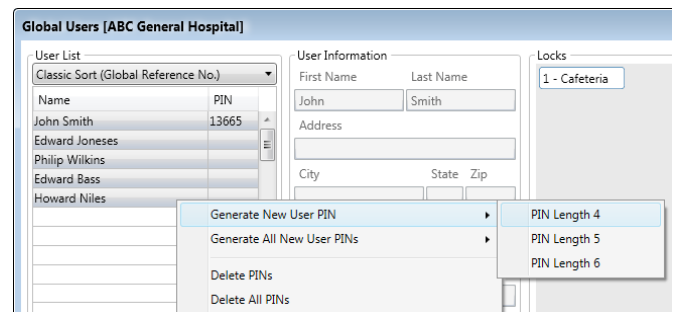


8a. Add PIN codes one at a time by either:

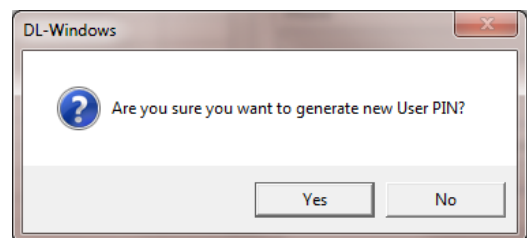
- highlighting individual names and typing each code individually into the **PIN** field shown in the previous image, or
- highlight and right-click a name, then have the software generate a 4- to 6-digit random code from the pop-up window (shown in step 7).

The software can "auto-generate" 4- to 6-digit random codes for multiple users at one time:

- Click to highlight the first User Name;
- Press and hold the keyboard **Shift** key;
- Click to highlight the last User Name;
- Right-click the highlighted area;
- Highlight **Generate New User PIN**;
- Select the desired PIN length.

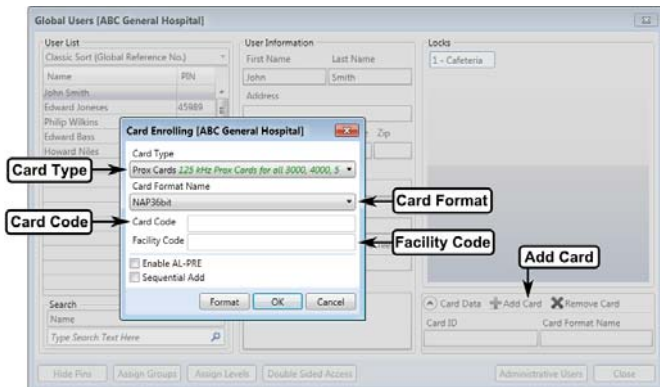


After selecting a PIN length, click **Yes** on the pop-up to confirm.



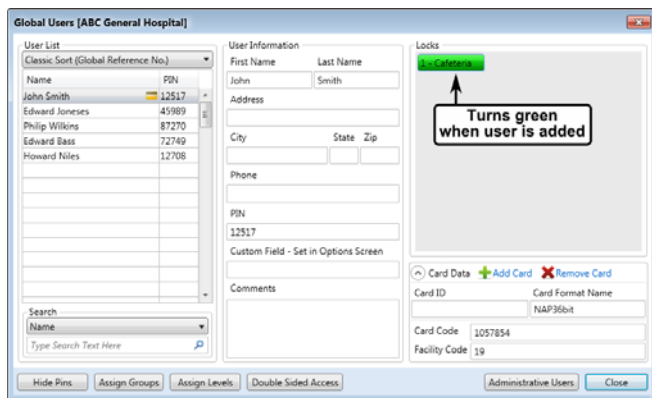
8b. Add proximity cards to users. Select a user, click **Add Card** and choose the correct **Card Type** and **Card Format**. Next, type the **Card Code** and **Facility Code**. When using HID Prox cards from Alarm Lock, select as follows:

- **Card Type:** Select "**Prox Cards 125kHz Prox Cards for all...**"
- **Card Format:** Select "**NAP36bit**"
- **Facility Code:** Select "19"
- **Card Code:** (Type the number printed on the card itself)



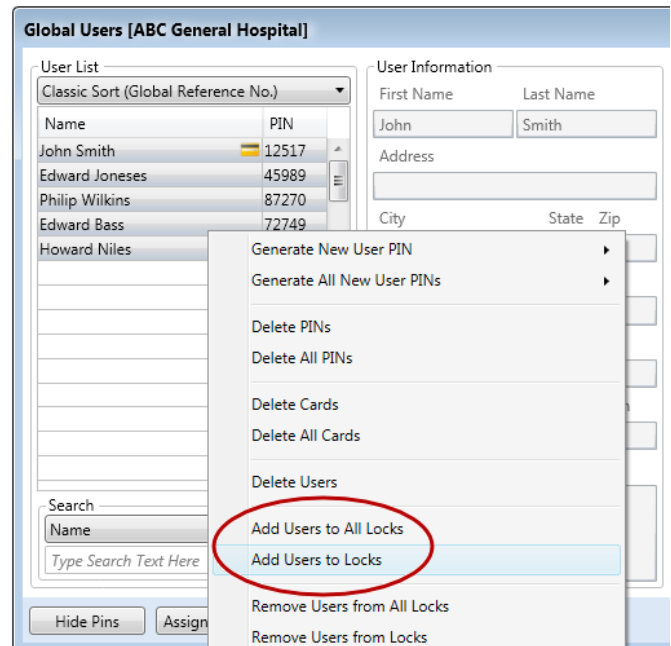
When finished, click **OK**. The selected user name is highlighted when card data is successfully added, and a "card" icon is shown next to the user.

9. Add Users to Locks. In the **Global Users** screen, simply highlight a user name in the **User List**, then double-click the desired lock(s) in the "**Locks**" section (see below image). When the Lock ID rectangle turns green, the highlighted user (the user's associated PIN) is added to the Lock Profile.

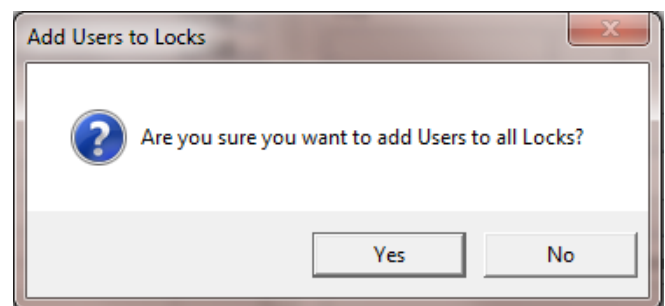


You may also add multiple users to specific lock(s) --or-- to ALL locks in your Account:

- Click to highlight the first user name;
- Press and hold the **Shift** key;
- Click to highlight the last user name;
- Right-click the highlighted area;

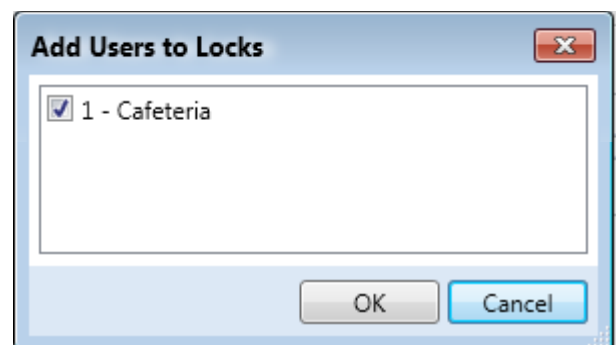


- Click **Add Users to All Locks** then click **Yes** on the confirmation popup:



--or--

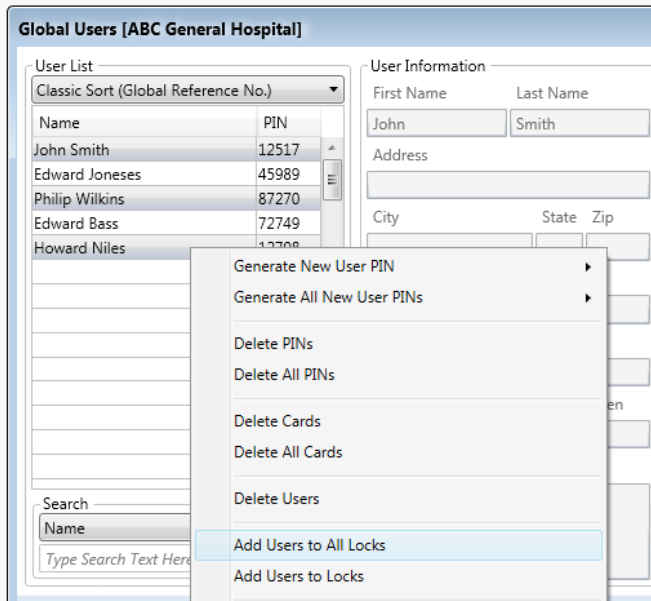
To add users to specific lock(s), place a check next to the appropriate lock(s):



Again, when the Lock ID rectangle turns green, the user is added to the lock.

To add specific users to specific lock(s):

- Click the individual user name while pressing and holding the **Ctrl** keyboard key; this will highlight only those individual users you wish to be added.
- Right-click one of the highlighted users. Click **Add Users to All Locks** then click **Yes** on the confirmation popup --or-- click **Add Users to Locks** to add the selected users to specific lock(s) by checking the appropriate lock(s) as shown below.

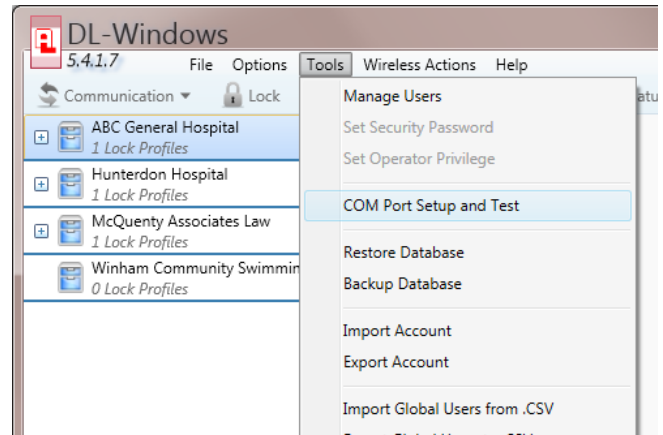


10. Sending your program to the locks can be performed in several ways depending on the model of your lock:

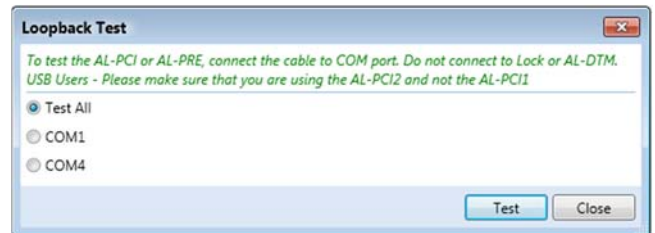
- For older, non-**Networx** locks, you must send the program directly from your PC to the lock with an **AL-PCI** interface cable (plugged into your computer's serial COM port). If your PC is located too far from your lock to use an **AL-PCI** cable, use an **AL-DTM3** handheld *Data Transfer Module*. Alternatively, the **ALPCI2-U** interface cable is designed to work through your PC's USB port if your computer is not equipped with a serial COM port. **Go to step 10a.**
- For **Networx** locks, you must use either a Networx Gateway (or an **AL-IME-USB** portable USB Gateway) to wirelessly send your program to the locks. **Go to step 10b.**

10a. Send program to the lock (non-Networx).

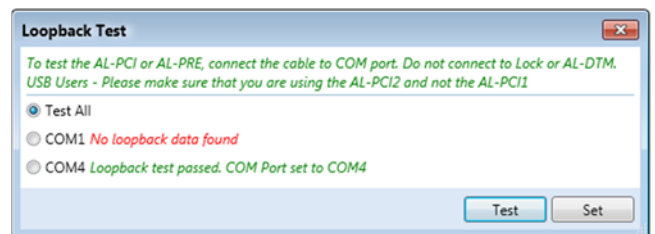
Begin by following the instructions included with your **AL-PCI** or **ALPCI2-U** cable. Before using the **ALPCI2-U**, you must install the provided drivers into your PC. To use your cable, click **Tools > COM Port Setup and Test**. A loopback test of the COM port will automatically start.



The **Loopback Test** window opens. Select the **Test All** radio button, then click **Test**. If only one COM port exists, then the **Test All** selection will not be available, simply click the **Test** button.

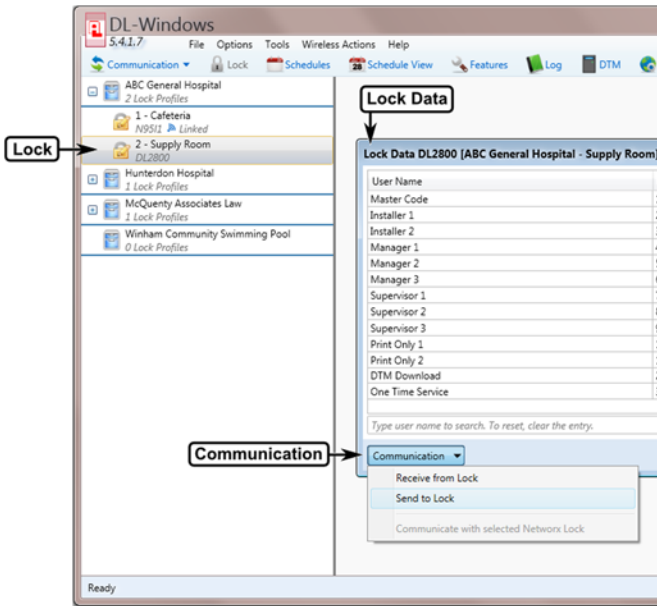


The **Loopback Test** will automatically test the COM ports and set the correct COM port connected to your **AL-PCI** or **ALPCI2-U** cable. When the test completes, click the **Set** button:

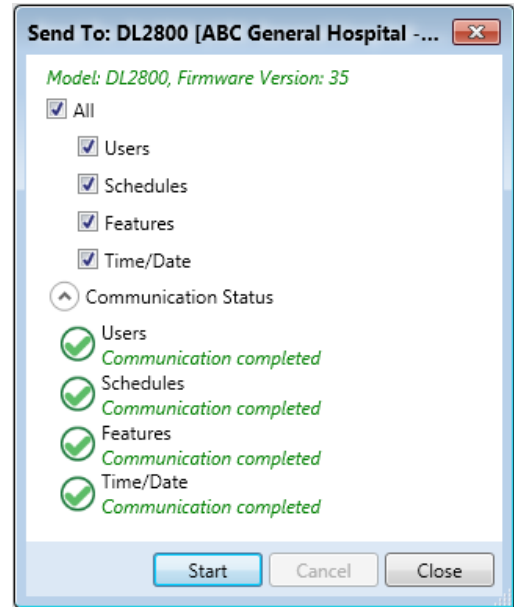


Send the program to your lock: Double-click the lock from your account. In the following example, we will send programming to a lock named "Supply Room". The **Lock**

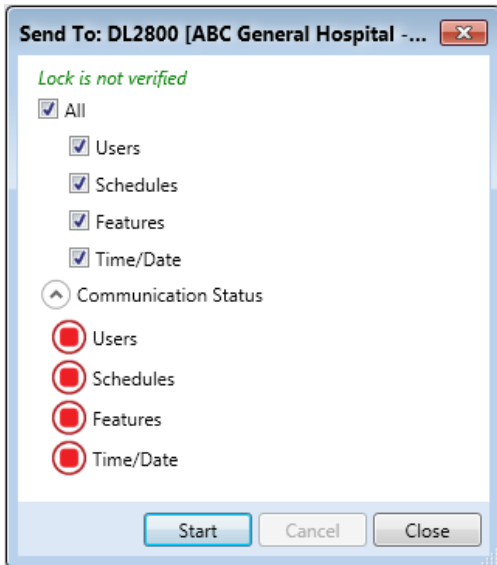
Data window opens. Use the **Communications** pull-down menu (located at the lower left) shown below. Click **Send to Lock**.



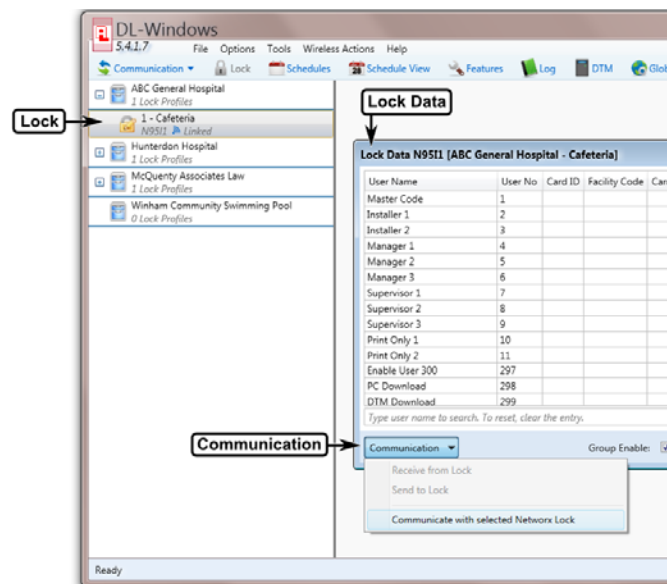
Check **ALL** then click **Start**. At the physical lock, enter **Program Mode** and activate **Function 58** to accept the download (if the lock model does not include a numeric keypad, refer to the programming instructions included with your lock).



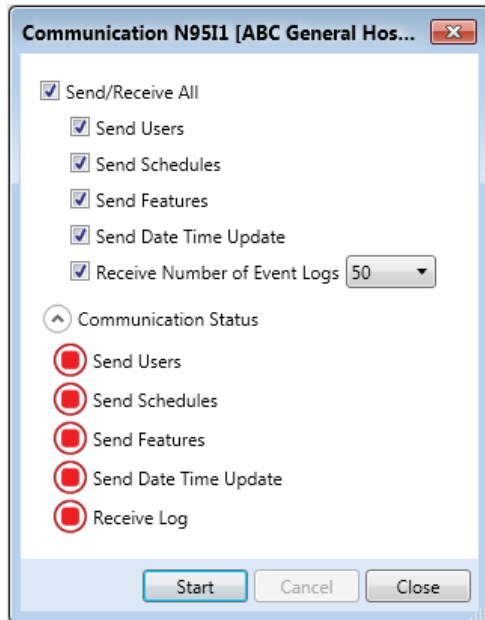
10b. Send program to the lock (Networx). Input a **Security Password** using the **Tools** menu. **Discover Gateways and Auto Add** using the **Gateway Config** button. Add and link your locks using the **Discover Locks** button (see the *DL-Windows for Networx V5 User's Guide* (OI383) for full details). From your DL-Windows account, double-click the Networx lock and the **Lock Data** screen appears (shown below). Click the **Communications** pull-down (located at the lower left) and select "**Communicate with selected Networx Lock**".



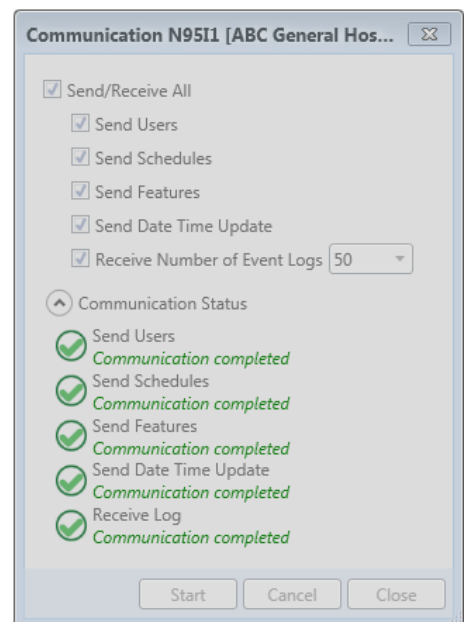
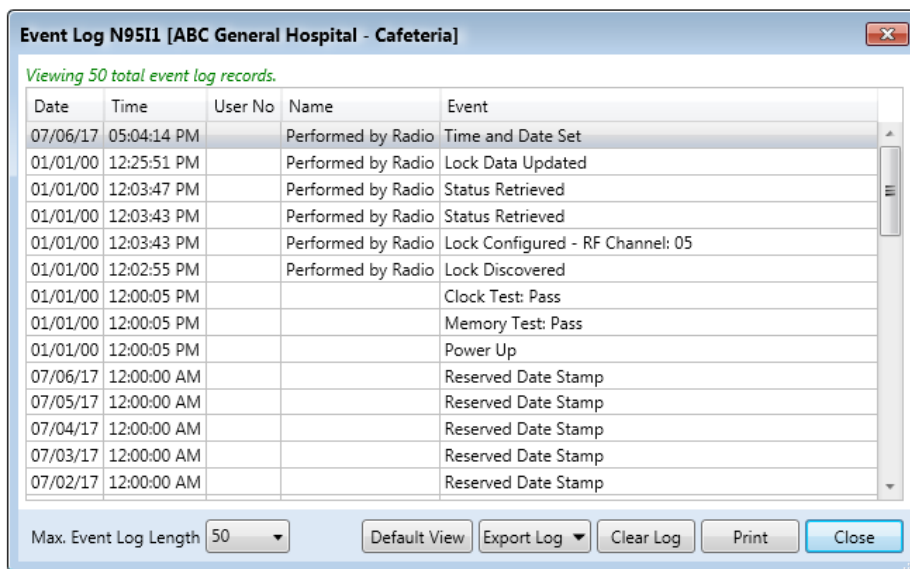
If the program was successfully sent to the lock, your window should look similar to the next image:



The **Communication** window opens (shown below). Check **Send/Receive All**, then click **Start**.



If the program data was successfully sent to the lock, your window should look similar to this:





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