

Nexus Lite® Quick-Start Guide

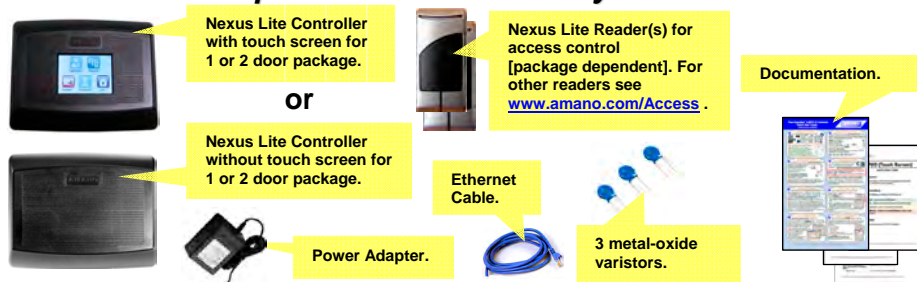
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nexus
LITE

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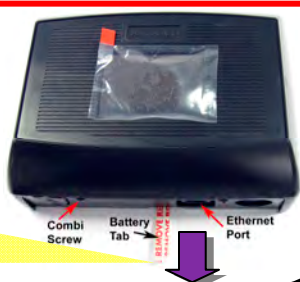
Unpacking

1 First - Unpack the box and verify the contents:



Next – Remove battery tab for the real-time clock
DO NOT power up the Controller before tab removal!!

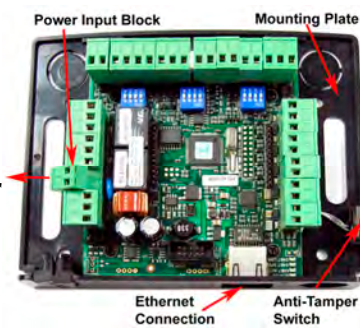
Note: Pull the battery tab insulating strip from the bottom to remove and activate the coin battery. The average life expectancy of the 3V, CR2032 Lithium cell battery is 3 years.



Controller Connection

2 For Controller connection to AC power and/or Reader(s):

- Step 1.** Remove the 2 Combi screws from the Controller bottom and carefully separate the front cover from mounting plate.
- Step 2.** Secure the mounting plate to an accessible vibration-free, dry, and dust-free surface.
- Step 3.** Locate the power input block and remove the plug in preparation to connect the Power Supply Unit.
- Step 4.** For Web access connect the supplied Ethernet cable to the Controller and a network outlet.
- Step 5.** **Do NOT power the Controller at this time.**



Note: The Touch Screen Nexus Lite Controller has a ribbon cable between the base-plate and front cover, do NOT remove this cable and use care when separating the front cover from the base plate.

Reader Connection

3 For Reader(s) connection to Controller:

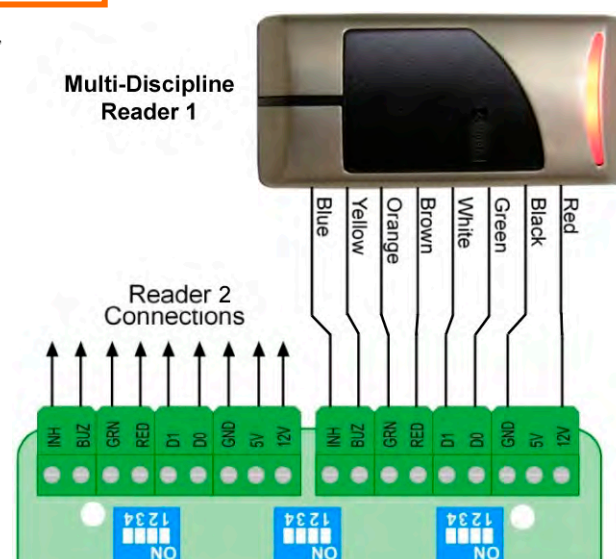
- Step 1.** Remove the Reader(s) from the packaging and select a suitable flat and firm wall location next to the door to be controlled.
- Step 2.** Securely mount the Reader backing plate.
- Step 3.** Route the wiring from the Reader through the Reader backing plate to the Controller. Attach the Reader to the backing plate by snapping it in place.



Caution: Do NOT attach the front cover to the backing plate prior to mounting!

- Step 4.** With the Controller front cover off feed the Reader wiring through the Controller housing and connect the wires to the proper locations (see [Controller Installation Manual](#)).

- Step 5.** Repeat the same procedure for the 2nd Reader if required.

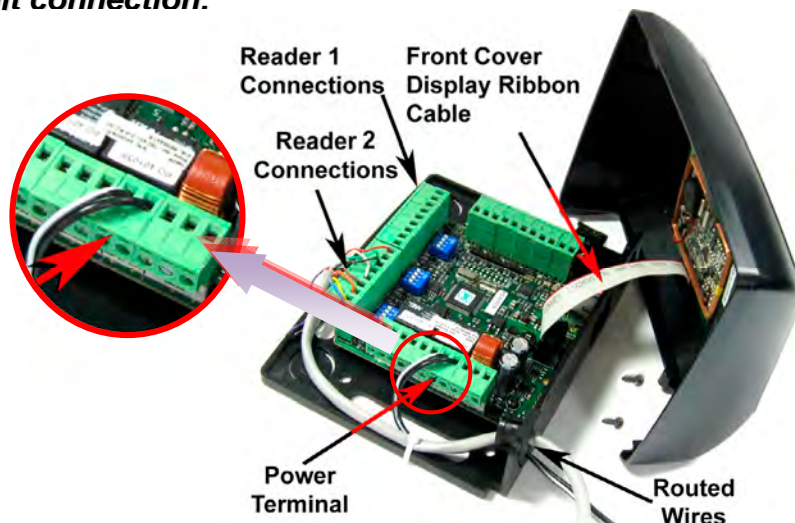


Note: Install the Reader(s) no closer than 20 inches (500mm) apart to avoid mutual interference. Install the Reader(s) no further than 500 feet (150m) from the Controller. The Reader(s) are designed to work both indoors or outdoors so they are sealed (potted) against water. Use supplied front cover removal tool to remove front cover.

Power Connection

4 For Power Supply Unit connection:

- Step 1.** With the Controller front cover off connect the Power Supply Unit (PSU) to the power input block (see figure). This is the location where the plug was removed in Step 2. Be sure to route the PSU wire through the bottom of the Controller case.



- Step 2.** Close the Controller case on the mounting plate and secure it to the mounting plate by re-inserting and tightening the two (2) screws located on the bottom.
- Step 3.** Plug in the Power Supply Unit (PSU) into a conveniently located power outlet.



Ethernet LAN Web Access

5 Using an Ethernet connection for LAN Web Access:

- Step 1.** Start up the Nexus Lite Web interface from an open Web browser by entering: <http://NexusLite/>
- Step 2.** Click the **Run** button at the Warning – Security screen. Check “Always trust content.....” for this not to appear.
- Step 3.** Enter the Security Code of **12345** (until user changed) and click the **Logon** button.
- Step 4.** Click the **OK** button for Backup Path Configuration.
- Step 5.** Select a location/folder to save the backup file and click the **Open** button. Backup function occurs at each start up.

Note: Do NOT open more than 1 instance of the Nexus Lite Web interface per controller. Also, when using the Web interface with the Touch Screen model, ensure the screen is locked before Web access is attempted.

If the Web Server resides on a Port other than Port 80, the URL becomes: <http://NexusLite:XX/> Where XX = the Port number.

Ethernet WAN Web Access

6 Using an Ethernet connection for WAN Web Access:

- Step 1.** Start up the Nexus Lite Web interface from an open Web browser by entering: <http://NexusLite/>
- Step 2.** At the Controller Connection Error dialog, click the **Yes** button.
- Step 3.** Enter the Hostname or IP Address for the Controller.
- Step 4.** Click the **OK** button.
- Step 5.** Enter the Host Port for the Controller.
- Step 6.** Click the **OK** button.

Provide your router with a public static IP address or a dynamic hostname and configure port forwarding.

Note: All Nexus Lite Controllers have the default IP Address of **192.168.100.1**. In the absence of a DHCP server, plug each Controller into the network individually and set the static IP Address. Default is DHCP enabled. May have to consult Network Admin for valid Static IP Address, Subnet mask, and Gateway Address.

Nexus Lite Setup

- 7** A simple user friendly interface is provided for setup and enrollment using the Touch Screen or a Web browser.



The initial user will be asked to set date/time?

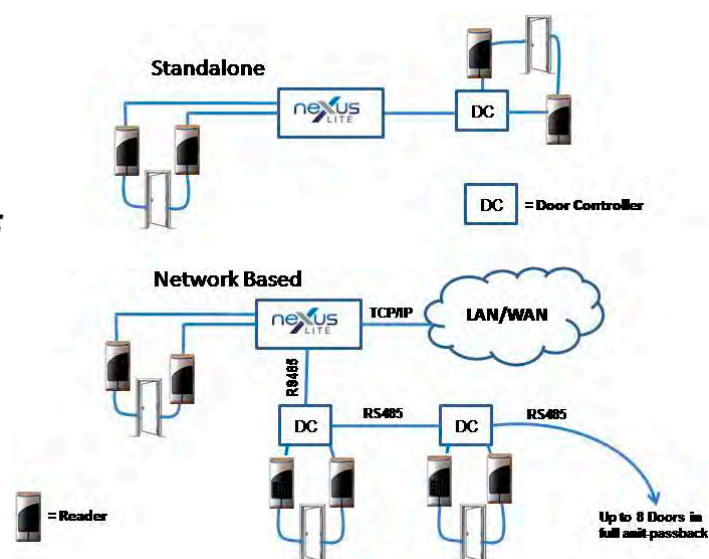
Nexus Lite provides onboard reporting and system diagnostics.

See **Nexus Lite Touch Screen Quick Start Guide** or **Nexus Lite Web Interface Quick Start Guide** for detailed setup instructions.



Typical Installations

- 8** The following diagrams show typical installations:



Initial Setup for Touch Screen Model

- 9** Due to the detailed nature of the Controller setup, please refer to the document labeled "**Nexus Lite (Touch Screen) Quick-Start Guide**" which is included in the package.

Note: When using the Touch Screen with the Web interface, ensure the screen is locked. The screen can not be unlocked until the Web connection is stopped.

The Touch Screen Controller can be setup via the Touch Screen or by using a Web browser through an Ethernet connection to access the onboard application.



Note: The factory default Admin Code (Password) = **12345**. Resetting the Controller can restore it to factory defaults.

Initial Setup for Ethernet Only Model

- 10** Due to the detailed nature of the Controller setup, please refer to the document labeled "**Nexus Lite (Web Interface) Quick-Start Guide**" which is included in the package.

Note: This controller can only be setup by using the Web interface.

Note: Do NOT open more than 1 instance of the Nexus Lite Web interface per Controller.



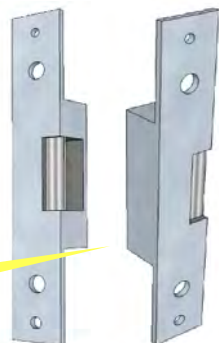
The default Web browser port number is **80** and the default application port number is **10005**. Only change these port numbers, if they clash with other devices or services on your network (see network admin).

Additional Information – Door Locks

- 11** Always be sure to comply with all Federal, state and local fire/safety and building codes. If you are not certain about requirements, please call the toll-free number listed in this guide to be connected with a local installer.

The two (2) most popular types of locks used in access control installations are:

- Strike Lock** – An electromagnetic device that uses a levered latch that can be remotely released to allow momentary or continuous unlocking of a door. Strike-locks are available in a wide variety of designs and finishes. An example of a flush mount strike is shown.



Note: Recommended for use with Nexus Lite.

Please call Amano at **1-800-390-5837** for installer assistance.

- Magnetic Lock** – An electromagnetic device that operates by electromagnetic attachment of a plate to a fixed base. Although this lock is fully supported by Nexus Lite, most building and safety codes require a peripheral device installed on the secure side of a door to allow for manual override of the lock in case of an access control malfunction.
- For lock connection details including wiring connections, please refer to the "**Nexus Lite Controller Installation Manual**" included in the package.



Note: Not recommended for use with Nexus Lite.

Please call Amano at **1-800-390-5837** for installer assistance.

Notes & Specifications

- 12** **Note:** Please be advised that the HID 1346 (ProxKey) Tag (see figure) is not recommended for use with the Nexus Lite system, as read range problems with this type of insertion tag have been reported. Any of the tags specified in the Nexus Lite Controller Installation Manual can be used.



The Nexus Lite contains the following specifications:

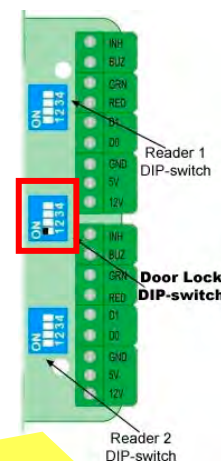
- Tagholders 1,000
- Buffered Transactions 5,000
- Readers Up to 16 (8 APB Doors)
- Tags per person Up to 3
- Tagholder Access Groups 8 maximum

Controller Reset

- 13** Congratulations! after the Setup is complete the **Nexus Lite** Controller and Readers are ready for use. The Controller can be reset to factory defaults if necessary.

To reset the Controller:

- Remove the Controller front cover.
- Set the Door Lock Select DIP-Switch 1 to **ON** position (see figure and/or **Controller Installation Manual**).
- Cycle the AC power to the Controller.
- With the Controller running, set the Door Lock Select DIP-Switch 1 to **OFF** position.
- Reattach the Controller front cover.



Note: Restoring factory defaults will reset the Controller's device name, Admin Password, and the database.

For more information see the Nexus Lite Controller Installation Manual, Nexus Lite [Touch Screen] Quick-Start Guide, and Nexus Lite [Web Interface] Quick-Start Guide. You can also go to www.amano.com/access, e-mail access-support@amano.com, or call us at **1-800-390-5837**.

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