

AC-HOST

Quick Setup Guide



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Introduction

The AC-HOST is an embedded Linux server that provides a dedicated device to run the AC Nio™ management software for the AC Series. This guide only covers how to configure the AC-HOST. The **AC Series Quick Start Guide** and **AC Key Programming Guide** cover programming AC Nio™ itself once the AC-HOST has been configured.



AC-HOST can support a maximum of 40 readers. For larger systems, run AC Nio™ on a Windows PC.

Getting Started

Connect the AC-HOST to its USB-C power adaptor and to the network with an ethernet cable. The AC-HOST will power up and the LED status indicator on the right will glow a solid green once it is ready to access.

By default, the AC-HOST will be assigned an IP address by the network's DHCP server. The MAC address, located on a sticker on the bottom of the device, can be cross referenced on the network to discover the IP address.

Assigning a Static IP Address

If there is no DHCP server available, it is possible to use a static IP address instead.

1. Press and hold the button on the right side of the AC-HOST. The LED will turn off.
2. Continue to hold the button for 5 seconds until the LED turns blue, then release the button.
3. The LED will flash blue. Press the button for 1 second while it is flashing.
4. The LED will flash blue 5 more times to confirm that the AC-HOST has been set to static.

The IP address will now be set to 192.168.2.10. A new IP address can be assigned in the AC-HOST's System Manager interface.



These steps can also be used to revert an AC-HOST with a static IP address back to using DHCP. After performing Step 4, the LED will flash magenta to show that the change has been applied.

Accessing the System Manager

On a computer connected to the same network as the AC-HOST, open a web browser and navigate to <https://ipaddress:11002>. A security page may appear, with the appearance depending on the browser used. Follow the prompts to dismiss the security alert and to proceed to the page.

A login screen will appear. The default username is **ac** and the password is **acaccess**. Click **Login** to continue.

System Manager

Notice
System Manager is used to perform database backup / restores and server configuration.

Login

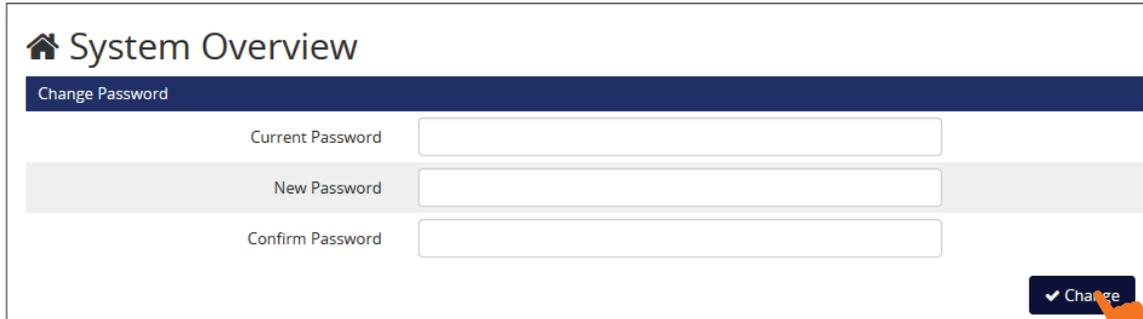
Username

Password

Login

Accessing the System Manager (continued)

This will open up a home screen that provides options to restart or shut down features of the AC-HOST, as well as the device itself. It is a good idea to change the password from the default at this time. Enter the default **acaccess** password, then enter in the new password on the **New Password** and **Confirm Password** lines. Record the password in a known location, then click **Change**.



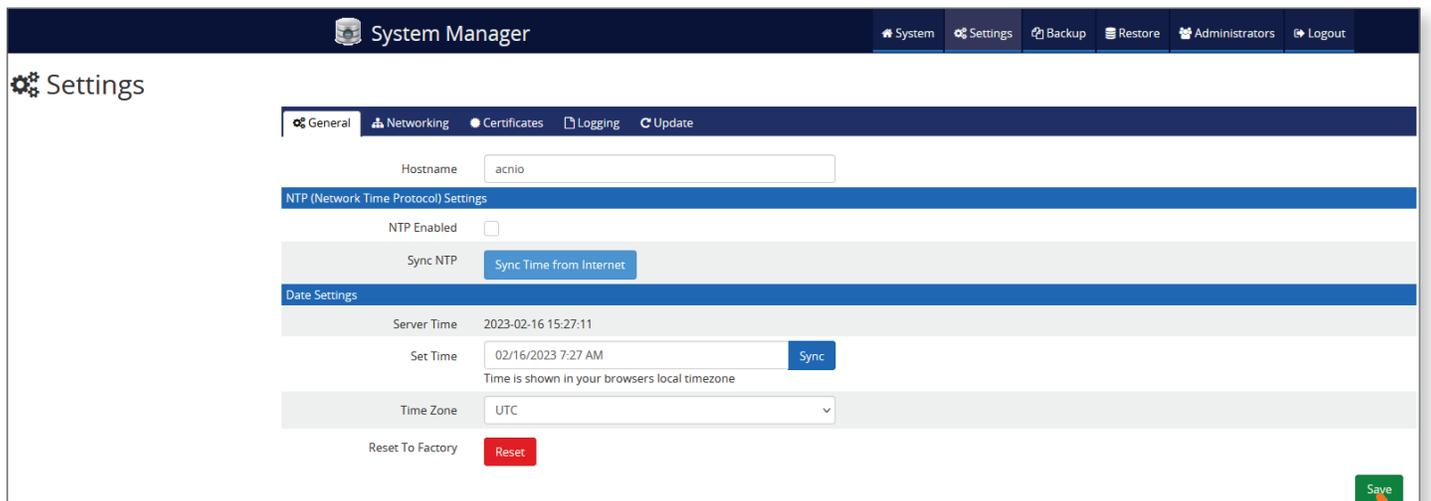
The screenshot shows the 'System Overview' page with a 'Change Password' section. It contains three input fields: 'Current Password', 'New Password', and 'Confirm Password'. A blue 'Change' button with a checkmark icon is located at the bottom right of the form, with an orange hand icon pointing to it.



The default username and password are only used to access the System manager for the AC-HOST. They are unrelated to the AC Nio™ installation on the device or its credentials.

Setting the Time

Navigate to the **Settings** tab on the top of the page. The time can be set manually, or the station can use NTP settings instead. If using a manually set time, **do not change the time zone. Changing it from UTC will lead to issues in AC Nio™**. Click **Save**.



The screenshot shows the 'System Manager' interface with the 'Settings' tab selected. The 'Date Settings' section is visible, showing 'Server Time' as 2023-02-16 15:27:11, 'Set Time' as 02/16/2023 7:27 AM, and 'Time Zone' as UTC. A green 'Save' button is located at the bottom right of the settings area, with an orange hand icon pointing to it.



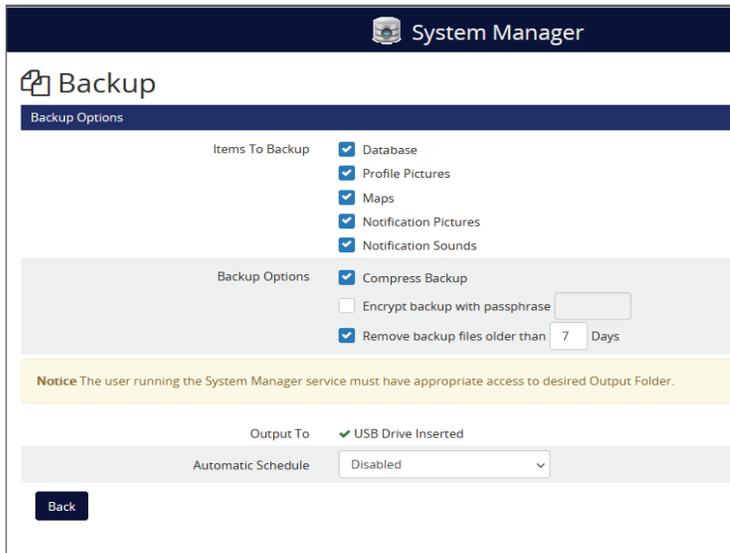
During initial setup, make sure that the AC-HOST has a network connection, and that either NTP is set to **NTP Enabled**, or click **Sync Time from Internet**. This is required to successfully apply the AC Nio™ license. Once the license has been applied, a manual time can be used instead.

Backing Up the Database

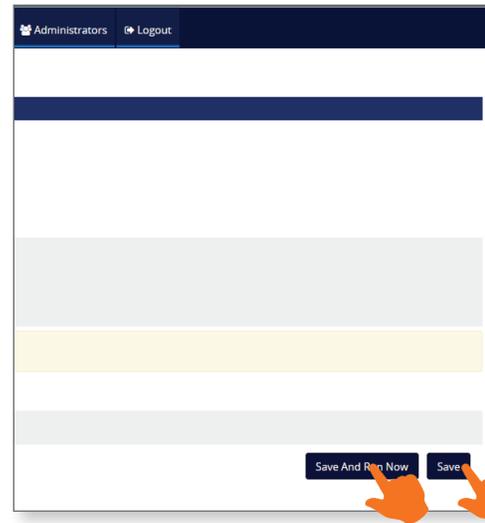
The AC-HOST can automatically back up its database on a schedule, or it can be saved manually. This database contains the details of the local AC Nio™ installation. Connect a USB Drive to one of the USB ports on the AC-HOST, which will store the backup.

Click **Backup** at the top of the page. This will present options for what settings to save, as well as setting a backup location. There is also an option to set up an automatic schedule for backups.

Click **Save** to update the backup settings, or click **Save and Run Now** to update the backup settings and perform a backup at the same time.



The screenshot shows the 'System Manager' interface with the 'Backup' section selected. Under 'Backup Options', there are two sections: 'Items To Backup' and 'Backup Options'. 'Items To Backup' includes Database, Profile Pictures, Maps, Notification Pictures, and Notification Sounds, all of which are checked. 'Backup Options' includes 'Compress Backup' (checked), 'Encrypt backup with passphrase' (unchecked), and 'Remove backup files older than' (7 Days). A yellow notice box states: 'Notice The user running the System Manager service must have appropriate access to desired Output Folder.' Below this, 'Output To' is set to 'USB Drive Inserted' and 'Automatic Schedule' is set to 'Disabled'. A 'Back' button is at the bottom left.



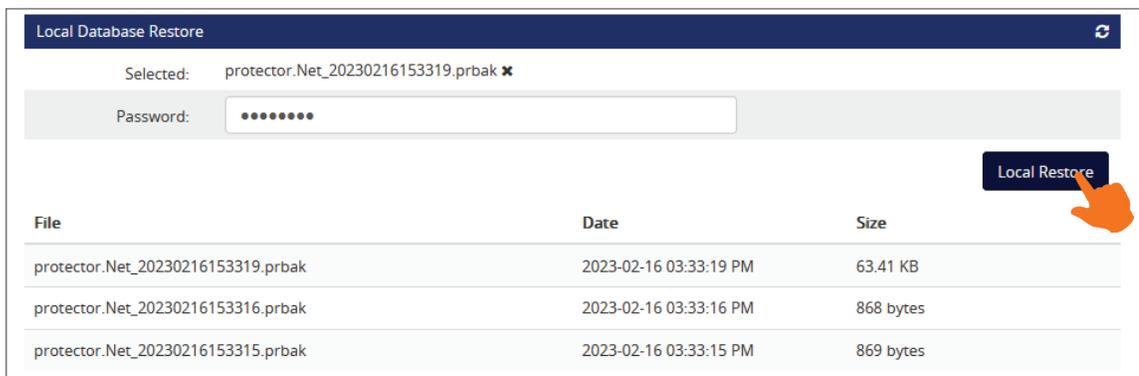
This screenshot shows the bottom right corner of the backup settings page. Two buttons are visible: 'Save And Run Now' and 'Save'. Two orange hand icons are pointing to these buttons.

Restoring the Database

Once backups have been created, they can be used to restore a previous version of the AC Nio's™ database.

i AC Nio™ will not be accessible during the restore process, but all panels, doors, and elevators will continue working.

Navigate to **Restore** at the top of the page. If local backups exist on the connected USB storage, they will be listed under **Local Database Restore**. Select a file and click **Local Restore**.



The screenshot shows the 'Local Database Restore' page. At the top, it says 'Selected: protector.Net_20230216153319.prbak'. Below that is a 'Password:' field with masked characters. A 'Local Restore' button is on the right, with an orange hand icon pointing to it. Below the password field is a table of backup files:

File	Date	Size
protector.Net_20230216153319.prbak	2023-02-16 03:33:19 PM	63.41 KB
protector.Net_20230216153316.prbak	2023-02-16 03:33:16 PM	868 bytes
protector.Net_20230216153315.prbak	2023-02-16 03:33:15 PM	869 bytes

Restoring the Database (continued)

The AC-HOST can also be restored from backups located on the PC accessing its web interface, or from elsewhere on the local network. Enter the System Manager password created before. Click **Browse** to locate the database, then click **Restore**.



Remote Database Restore

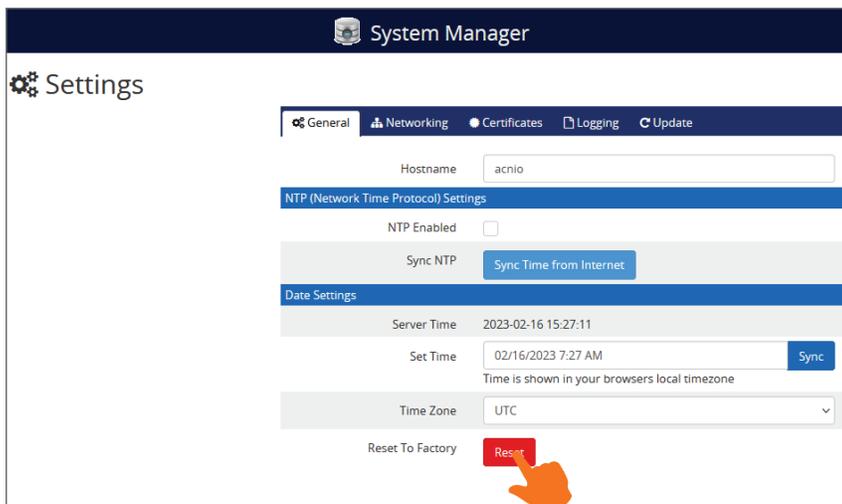
Restore From No file selected.

Password

Clearing AC Nio™ Settings

Navigate to **Settings**, then click **Reset**. The light on the AC-HOST will turn red, and then shut off. The device will be inaccessible through the web interface until the process is complete, which will be indicated by the LED returning to a solid green.

This will remove the local AC Nio™ install, but not the local administrator, time, and other AC-HOST specific settings. This will also not remove externally stored AC Nio™ backups, which can be used to recover the system to a working state.



System Manager

Settings

General Networking Certificates Logging Update

Hostname

NTP (Network Time Protocol) Settings

NTP Enabled

Sync NTP

Date Settings

Server Time 2023-02-16 15:27:11

Set Time

Time is shown in your browsers local timezone

Time Zone

Reset To Factory

Resetting to Factory Default

This is performed on the AC-HOST hardware itself. Hold down on the reset button next to the green LED. The light will turn off for a few seconds before turning blue. Continue holding down reset button; the light will shift to a lighter shade of blue, before switching to magenta. Release the button when the light turns magenta. The magenta LED will blink for several seconds. When the process is complete, the light will shift back to the original green.