

AIPHONE
AC-HOST
Linux-
Based
Embedded
Server



AIPHONE AC-HOST Linux Based Embedded Server User Guide

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AIPHONE AC-HOST Linux-Based Embedded Server



Specifications

- **Embedded** Linux server
- **A dedicated** device for running AC NioTM management software
- **Maximum** support for 40 readers

Product Usage Instructions

Getting Started

- Connect the AC-HOST to its USB-C power adaptor and the network with an ethernet cable.
- The AC-HOST will power up, and the LED status indicator on the right will glow solid green once it is ready to access.
- The default IP address can be discovered by cross-referencing the MAC address with the network's DHCP server.

Assigning a Static IP Address

To assign a static IP address, follow the provided steps. The LED will flash magenta to confirm the change.

Accessing the System Manager

- Open a web browser on a computer connected to the same network as the AC-HOST navigate to Login with the default credentials and change the password for security purposes.
- The System Manager allows for restarting or shutting down features of the AC-HOST.

Setting the Time

- Navigate to the Settings tab on the top of the page to set the time manually or use NTP settings. Ensure a

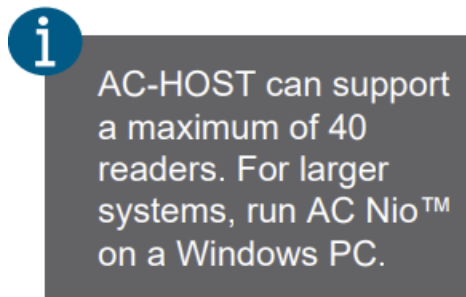
network connection and sync time from the internet during the initial setup to apply for the AC Nio™ license successfully.

Backing Up the Database / Restoring the Database

- Backups can be created and used to restore previous versions of the AC Nio's™ database. The restore process will make AC Nio™ inaccessible temporarily.

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.



Getting Started

- Connect the AC-HOST to its USB-C power adaptor and 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 proceed to the page.
- A login screen will appear. The default username is `ac` and the password is `access`. Click Login to continue.

System Manager

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

Login

Username

Password

Login

- 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 access password, then enter the new password on the New Password and Confirm Password lines. Record the password in a known location, then click Change.

System Overview

Change Password

Current Password

New Password

Confirm Password

✓ Change



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 at 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.

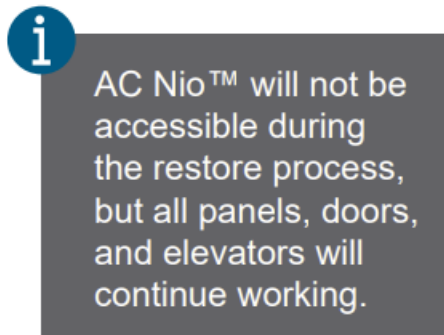
i During initial setup, make sure that the AC-HOST has a network connection, and that either NTP is set to **NTP Enabled**, or click **Sync Time from Internet**. This is required to successfully apply the AC Nio™ license. Once the license has been applied, a manual time can be used instead.

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.

Restoring the Database

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



- 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' section of the web interface. At the top, a dark blue header bar contains the title 'Local Database Restore' and a refresh icon. Below this, there is a 'Selected:' field showing 'protector.Net_20230216153319.prbak' with a small 'x' icon to its right. Underneath is a 'Password:' field with a masked password '.....'. To the right of the password field is a dark blue button labeled 'Local Restore', with an orange hand icon pointing to it. Below these fields is a table with three columns: 'File', 'Date', and 'Size'. The table contains three rows of backup files, all dated '2023-02-16 03:33:19 PM' through '2023-02-16 03:33:15 PM'.

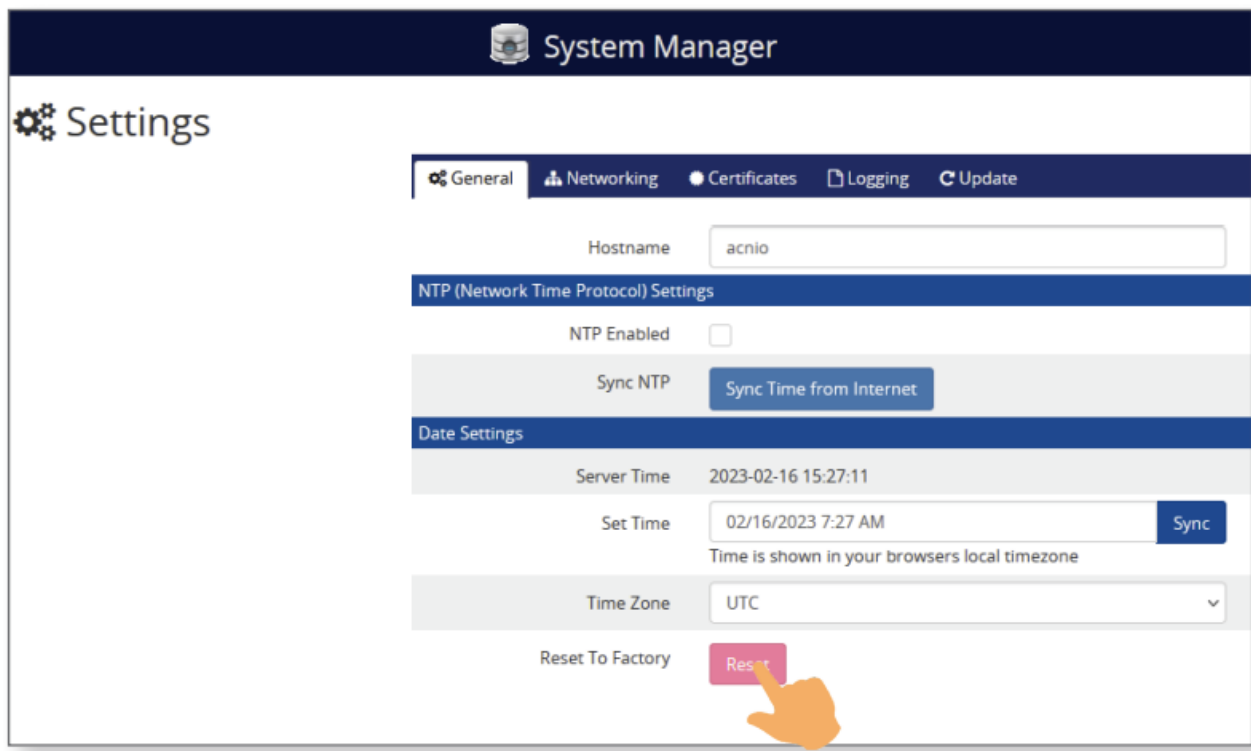
| File | Date | Size |
|------------------------------------|------------------------|-----------|
| protector.Net_20230216153319.prbak | 2023-02-16 03:33:19 PM | 63.41 KB |
| protector.Net_20230216153316.prbak | 2023-02-16 03:33:16 PM | 868 bytes |
| protector.Net_20230216153315.prbak | 2023-02-16 03:33:15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

- 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.

The screenshot shows the 'Remote Database Restore' section of the web interface. It has a dark blue header bar with the title 'Remote Database Restore'. Below the header, there is a 'Restore From' field with a 'Browse...' button and the text 'No file selected.' to its right. An orange hand icon points to the 'Browse...' button. Below this is a 'Password' field with a masked password '.....'. At the bottom right of the section is a dark blue button labeled 'Restore', with an orange hand icon pointing to it.

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.



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 the 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.
 - For more details about the features and information above, please contact Technical Support.
 - **Aiphone Corporation**
 - www.aiphone.com
 - 8006920200

FAQ

- **Q: How do I reset the AC-HOST to factory default?**
 - **A:** Refer to the section “Resetting to Factory Default” in the Quick Setup Guide for detailed instructions on resetting the AC-HOST to factory default settings.

Documents / Resources

| | |
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| | <p>AIPHONE AC-HOST Linux Based Embedded Server [pdf] User Guide AC-HOST Linux Based Embedded Server, AC-HOST, Linux Based Embedded Server, Based E mbedded Server, Embedded Server</p> |
|--|--|

References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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