# Web Interface Guide

V1.0

Wizard Setup

The NHD-CTL-PRO features a wizard guided setup. This wizard walks the user through each aspect of configuring a NetworkHD system by providing easy to follow steps. When a user first accesses the CTL-PRO web interface they will be prompted with an option to start or skip the wizard. If the wizard is skipped, you will be brought straight to the dashboard with a blank slate which will require manual configuration.
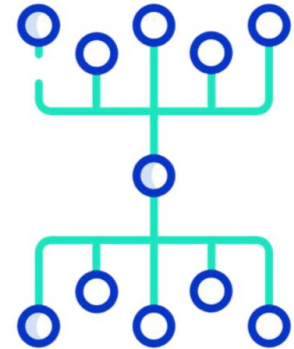
The wizard setup can be re-opened at any time by navigating to the Controller tab on the dashboard and selecting "Reopen Wizard". Note that reopening the wizard will erase any configurations that have been previously made to NetworkHD endpoints.

Dashboard

The NHD-CTL-PRO dashboard is the home for all configurations. It hosts many different tabs relevant to different aspects of a NetworkHD section. The below information in this document provides a simple overview of these tabs. For more detailed operation of the CTL-PRO please view the NetworkHD training course at wyrestorm.com

Tx/Rx Status

The TX/Rx Status tab provides a quick overview of the most common and essential settings for encoder and decoders. Details such as aliases, IP addresses, firmware and video information is reported. Many settings can be adjusted by simply clicking on a value to show a pop-up menu relevant to the column. More advanced options can be found in the "Options" column.

Transmitter Status

| Transmitters	Receivers	NHD-MV								
Hostname/Alias	IP Address	Firmware	Input Timing	HDCP	EDID	Connected RX	Video Preview	Order	Options
NHD-500-TX-E4CE02122ABF	192.168.10.187	v1.2.5	3840x2160 60Hz LP...	HDCP 2.2	4k60 RGB DTS	NHD-500-RX-E4CE02122A1C	👁	I	...
NHD-500-TX-E4CE02122B1C	192.168.10.124	v1.2.5	3840x2160 60Hz LP...	HDCP 2.2	4k60 RGB DTS	NHD-500-RX-E4CE02121777	👁	I	...

Total 2 items < 1 > 10 / page ∨

Receiver Status

Hostname/Alias	IP Address	Firmware	Output Timing	HDCP	Connected TX	Display Power	Order	Options
NHD-500-RX-E4CE02121777	192.168.10.115	v1.2.5	1920x1080 60...	Always1.x	NHD-500-TX-E4CE02122B1C	⏻ On ⏻ Off	I	...
NHD-500-RX-E4CE02122A1C	192.168.10.125	v1.2.5	1920x1080 60...	Always1.x	NHD-500-TX-E4CE02122ABF	⏻ On ⏻ Off	I	...

Total 2 items   <   1   >   10 / page ∨

Matrix Status

The Matrix Status tab shows real-time status of matrix assignments between encoders and decoders. To change matrix assignments simply click the circle that connects a TX to RX. A successful assignment will change the circle green. You can hover your mouse over an assignment to highlight the route lines for easier viewing.

If you have NetworkHD 500 series components the "Audio Return" tab allows you to matrix assign the ARC route from RX > TX.
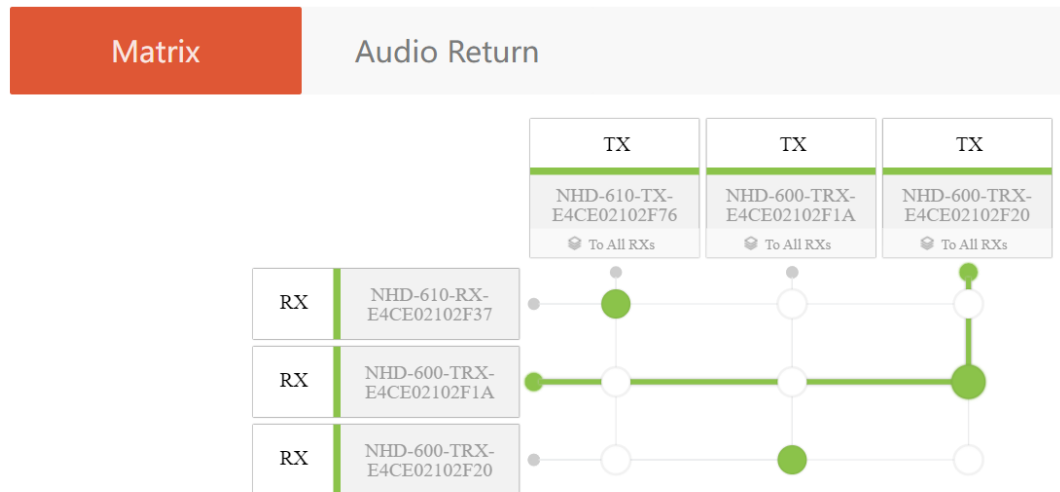
Video Wall

The video wall tab allows you to create video walls using compatible decoders. When creating a video wall, you are required to enter the size (rows & columns) and name. From there you can create a specific layout such as a combined or split configuration of screens and drag-and-drop decoders to respective areas of the wall. If applicable, bezel and gap adjustments can be made by clicking the three dots on any of the screens and choosing "Logical Screen Properties".

Multiview

The multiview tab allows you to adjust picture-in-picture layouts for compatible decoders. In the "Multiview Receivers" list, select a device you wish to enable multiview on, choose a layout and drag-and-drop Transmitters to the windows.

Advanced

The advanced tab hosts a number of settings for encoders and decoders. Most of these settings can be done in a "batch" meaning multiple of the same device type at the same time. This is useful for making global changes in a system such as setting a range of static IP addresses on units, adjusting encoder EDIDs or output scaling on decoders.

Control signal passthrough such as IR and RS232 can be tested on the "Serial/IR Test tab making it easy to verify control codes are working as expected which could be used for powering on/off displays connected to decoders.

Firmware updates for endpoints are performed on the "Firmware" tab. When WyreStorm releases firmware updates to improve or add capabilities to products they can be found at wyrestorm.com.

NHD Touch

The NHD Touch tab provides settings specific to the iPad and Android app. "Zone Settings" allow you to organize decoders into groups which will appear on the home screen of the NetworkHD Touch app.

The "Display Power" tab allows you to save control commands to decoders (CEC, IR, or RS232) which are then triggered when the display power buttons are pressed from the app.

Zone Settings	Display Power

Decoders

Hostname/Alias

NHD-500-RX-E4CE02121777

NHD-500-RX-E4CE02122A1C

Display Power Status

CEC

One Touch play:	40 04
Standby:	ff 36

Display Power Settings

Controller

The controller tab hosts options specific to the controller. This consists of adjusting the IP address of the AV and control ports, changing security protocol settings, firmware updates to the controller and an activity log.

↕ Tx/Rx Status	⊜ Matrix Status	⊞ Video Wall	▦ Multiview	⊚ Advanced	✎ NHD Touch	⥯ Controller

IP Address Settings

AV Port		Control Port	
IP Address:	192.168.10.51	IP Address:	192.168.11.243
Subnet:	255.255.255.0	Subnet:	255.255.255.0
Gateway:	192.168.10.1	Gateway:	0.0.0.0
Default Gateway:	⬤	Default Gateway:	○

Apply & Reboot

Alias Programming

Telnet Alias Programming:	⬤	RS-232 Alias Programming:	⬤
Telnet Password:	1~10 characters ⊘ Alphanumeric only		Apply
Apply			

Service

HTTP:	⬤
HTTPS:	○

Apply   Note: Take effect after reboot

API

Telnet API:	⬤	Port:	23
Telnet TLS API:	⬤	Port:	992
SSH API:	⬤	Port:	10022

Apply   Note: Take effect after reboot

Admin Password

Current Password:

New Password: 1~10 characters   Alphanumeric only

Verify Password: 1~10 characters

Apply & Logout

Firmware Update

Firmware: Select the firmware files

Current Versions: v1.1.9

Upgrade & Reboot

LED Screen

LED Show: ◉ IP & Version   ○ LOGO   ○ Off

Apply

Commands

Reopen the wizard   Reset to factory   Reboot

Telnet API Command

Commands:

Send

Log

Operation Log: 🟠

15:57:13 Receive: system lcd:ipversion
15:57:13 Receive: 802_1x info: [{ "ieee802_1x_enable" : "false", "ieee802_1x_mode" : "", "ieee802_1x_mschapv2_password" : "", "ieee802_1x_mschapv2_user" : "", "ieee802_1x_tls
_private_key_password" : "", "ieee802_1x_tls_user" : "" }]
15:57:13 Receive: ldap info: [{ "ldap_attr" : "", "ldap_base_dn" : "", "ldap_bind_dn" : "", "ldap_enable" : "false", "ldap_mode" : "dn", "ldap_password" : "", "ldap_uid" : "", "ldap_uri"
: "" }]
15:57:13 Receive: system preview fps: 0
15:57:13 Receive: userList null null null null
15:57:13 Receive: system service ssh_api port is 10022
15:57:13 Receive: system service telnettls_api port is 992
15:57:13 Receive: system service telnet_api port is 23

System Log: Export