



DriveControl-P Wall Control Panel

User Manual



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DriveControl-P Pairing Host Steps

Step 1: Prerequisites

1. Power on both the DriveControl-P and the host.
2. Connect them to the same switch via Ethernet cable, ensuring they are on the same network segment.

(Example: DriveControl-P: 192.168.31.230, Host: 192.168.31.212)

Step 2: Two Connection Methods (Choose One)

1. Log in to the DriveControl-P web interface. The LAN host list will display online hosts on the same network segment. Select the target host to match.
2. Log in to the host web interface. Go to Settings - Accessory Settings - LAN Accessories, locate the online DriveControl-P to complete the pairing.

Step 3: Verifying Successful Pairing

- The host name will appear at the top of the DriveControl-P screen.
- Press the ESC key to view the host IP address.

Step 4: Notes

- When not paired with a host, all buttons on the DriveControl-P will be unresponsive.

Chapter 1: Introduction

DriveControl-P is a 86mm x 86mm wall control panel featuring 4 function buttons, 1 potentiometer (ENTER), 1 mute button (MUTE), 1 return button (ESC), and a 2.0-inch OLED display. It supports POE power supply (compatible with AT and AF standard POE switches) and DC 12V adapter power supply. Press and hold the MUTE key + ESC key simultaneously for 2 seconds to restore factory settings.

Features

- Compatible with: DriveSYS series.
- One host can connect up to 8 DriveControl-P units simultaneously.
- Controls: Input control, output control, zone control (ignore for machines without zones), scene recall, and customizable button control functions.
- Configuration: WEB-based.
- Network: IP control.

Specifications

Product Model	DriveControl-P
Display Size	2.0 inches
Power Supply	1. POE power supply (supports AT and AF standard POE switches) 2. DC 12V adapter power supply
Rated Power	1.02W
Communication Interface	1 x Gigabit RJ45 Ethernet port

Chapter 2: Usage

2.1 Operating Environment

It is recommended to use mainstream browsers such as Google Chrome or Firefox for login and operation.

2.2 Operation Steps

Enter the device IP address (viewable on the device display) to directly access the interface for configuration.

Precautions

The device IP is assigned via DHCP by default. When not connected to a router, the initial IP is 169.254.X.X with a subnet mask of 255.255.0.0. The computer must be set to the same network segment (169.254.X.X, mask 255.255.0.0) to establish a connection. The device IP can be viewed on the screen after powering on.

Chapter 3: WEB Page Interface Description

Figures 1, 2, and 3 show the modules corresponding to the red-framed areas in the main software interface. The modules are as follows:

3. DriveControl-P web page sidebar when not connected to a host.
4. DriveControl-P model and name.
5. DriveControl-P accessory information.
6. When DriveControl-P is not connected to a host, the master host information area is empty.
7. DriveControl-P web page sidebar after connecting to a host.
8. Master host information area after DriveControl-P is connected to a host.
9. All scanable hosts on the same LAN are displayed. A device status of 8/8 indicates that all 8 DriveControl-P slots are bound and no new devices can be added. To match a new device, an existing match must be removed first.

3.1 Accessory Information

Accessory information includes: DriveControl-P control IP method, IP address, subnet mask, gateway, MAC address, operation, transmission speed, and network latency.

Note: Click the "Identify" button to make the corresponding DriveControl-P screen flash continuously, facilitating quick device location.

3.2 Master Host

When not connected to a host, the master host area does not display host information.

Matching host 192.168.31.212: Click "Match" to complete the operation. This host can bind up to 8 DriveControl-P units. No new units can be added once the limit is reached.

Note: Clicking the "Identify" button will cause the corresponding device screen to flash continuously for quick identification.

(1) After matching with host 192.168.31.212, the master host area displays the host name, IP, subnet mask, model, gateway, MAC address, host type, status, and operation options.

Note: The IP address has a shortcut icon on the right. Clicking it will directly navigate to the host's DriveControl-P web page.

(2) Status format X/8: The denominator 8 is the maximum number of DriveControl-P devices this host can bind. The numerator X is the current number of bound devices.

(3) Click the "Identify" button to make the corresponding host screen flash continuously, facilitating quick device location.

3.3 Input Control

Input control modules are as follows:

1. Reset: After confirming reset, the channel alias, volume upper/lower limits, and mute prohibition will be restored to factory settings.
2. Host channel name: The web interface only supports synchronization and cannot be modified manually. It will be displayed only after matching with a host. (The host channel name can be modified on the host web interface.)
3. Alias: Supports Chinese and English characters and special symbols, up to 20 characters. After setting an alias, the alias will be displayed preferentially on the interface.
4. Mute prohibition: When checked, pressing the DriveControl-P mute key will prompt that mute operation is prohibited on this channel.

5. Check the channel to display the corresponding channel information on the DriveControl-P screen.

Example: IN1 Volume Adjustment — Short press the ENTER knob to select IN1, rotate the knob to increase or decrease gain. The value is synchronized with the host IN1 channel volume. Adjustment range: -60dB to 15dB.

3.4 Output Control

Output control modules are as follows:

1. Reset: After confirming reset, the channel alias, volume upper/lower limits, and mute prohibition will be restored to factory settings.
2. Host channel name: The DriveControl-P web interface only supports synchronization and cannot be modified manually. It will be displayed only after matching with a host. (The channel name can be modified on the host web interface.)
3. Alias: Supports Chinese and English characters and special symbols, up to 20 characters. After setting an alias, the alias will be displayed preferentially on the interface.
4. Mute prohibition: When checked, pressing the DriveControl-P mute key will prompt that mute operation is prohibited on this channel.
5. Check the channel to display the corresponding channel information on the DriveControl-P screen.

Example: OUT1 Volume Adjustment — Short press the ENTER knob to select OUT1, rotate the knob to increase or decrease gain. The value is synchronized with the host OUT1 channel volume. Adjustment range: -60dB to 15dB.

3.5 Zone Control

Zone control modules are as follows:

1. Reset: After confirming reset, the channel alias, volume upper/lower limits, and mute prohibition will be restored to factory settings.
2. Host channel name: The DriveControl-P web interface only supports synchronization and cannot be modified manually. It will be displayed only after matching with a host. (The channel name can be modified on the host web interface.)
3. Alias: Supports Chinese and English characters and special symbols, up to 20 characters. After setting an alias, the alias will be displayed preferentially on the interface.
4. Audio source: When set to OFF (default), the priority of this channel is not used. When selecting other input channels (IN1-IN32, USB-L/R, BT-L/R, MIX1: AUTO MIX 1, MIX2: AUTO MIX 2, AEC: AEC, ANC: ANC), the priority control of this channel is enabled (synchronized with the host's zone input priority channels).

Example: ZONE1 Audio Source Priority — When no priority is selected on the web interface, no channel is selected and the channel is empty. First select a channel in the audio source option box (e.g., select IN1, IN2). Short press the ENTER knob to select IN1 in ZONE1, rotate the knob to select IN2. The channel values are synchronized to the input priority of ZONE1 on the host.

5. Mute prohibition: When checked, pressing the DriveControl-P mute key will prompt that mute operation is prohibited on this channel.
6. Check the channel to display the corresponding channel information on the DriveControl-P screen.

3.6 Button Control

Button control module description:

1. Gain button control (Figure 11): Check the volume option. The default name is "Volume." The control channel can be customized. Increase direction: Positive (volume up), Negative (volume down). Step: 2.0dB (each press changes the volume by 2.0dB). Total step: 10.0dB (total volume change is 10.0dB).

Example: Button A controls channel IN1 forward gain. Each step is 2.0dB, total step is 10.0dB.

2. Button control channel mute (Figure 12): Check the mute option. The default name is "Mute." The control channel can be customized. Supports two states: mute and unmute.

Example: Press button A to mute the IN2 channel.

3. Button control host scene recall (Figure 13): Check the scene option. The default name is "Scene." You can select from 79 built-in host scenes.

Example: Press button A to recall the 5th scene on the host.

4. Button control trigger command (Figure 14): Check the command option. The default name is "Command." Supports TCP/UDP central control commands. The command content, target IP, and port can be configured.
5. Button control matrix (Figures 15, 16): Check the matrix option. The default name is "Matrix." Click "Edit" to open the matrix settings window. After setting the matrix routing, click "OK." Pressing button A will automatically load the matrix routing and synchronize it to the host matrix settings. Up to 50 matrix routes can be added.

3.7 Settings

Settings module description:

1. Figure 17 — System: Backup and Update.
2. Backup: Import/export scenes, users, themes, language, logo images, and background images.
3. Update: System update, MCU update, screen update, AI update.
4. Figure 18 — Scenes: Up to 79 scenes can be added.
5. Figure 19 — User: Password length is 3-15 characters, supporting numbers and letters. After enabling account password login, account and password verification is required for each login.

6. Figure 20 — Network: IP control supports Manual (Static) and Automatic (DHCP). When switching from Automatic to Manual, click "Update" for the change to take effect.
7. Figure 21 — Theme: Up to 20 themes can be added.
Click "Edit" to customize the primary color, information color, warning color, danger color, and success color.

Provides two display modes: Day and Dark.

Supports custom names, up to 20 characters including Chinese, English, and symbols.
8. Figure 22 — Language: 5 languages available.
9. Figure 23 — Logo Image: Click to select an image (file ≤ 2MB), then click "Update" to load the logo.
10. Figure 24 — Background Image: Click to select an image (file ≤ 2MB), then click "Update" to load the background.

3.8 Theme

After checking the corresponding theme, only the selected items will be displayed in the left theme column.

3.9 Language

After checking the corresponding language, only the selected language will be displayed in the left language column.

3.10 ROOT

Click "root" to open a confirmation window. After confirming, you will return to the audio control center. To re-enter the web backend, click "Enter Console."

