

Introduction

The operation of HCONTROL requires the installation of the software globcon and glue. This documents guides you through the necessary steps of the installation process.

Requirements

- Computer with Windows 10 or 11 or macOS 10.15 or higher
- Administrator privileges
- USB-C cable to connect HCONTROL with computer
- Ethernet cable to connect HCONTROL with network (requires successful USBinstallation first)

Installation - USB control

- 1. Download globcon software: https://www.directout.eu/product/hcontrol-8/
- 2. Install globcon
- 3. Open globcon Settings / Preferences
 - \Rightarrow Services / Globcon Controller and
 - ⇒ activate 'Globcon Controller' (blue check box)

• • •	Prefe	rences	
۹	Services Globcon Contro	oller	
 ✓ Services Globcon Controller ✓ DirectOut MIDI (MADI.BRIDGE) 	Globcon Control	ler	
MIDI (ANDIAMO) PRODIGY settings MIDI (PRODIGY) DONet	Interface Port	lo0 - 127.0.0.1 9091	v A
MIDI (EXBOX.SG) USB Discovery	HCONTROL		
▼ System	HCONTROL.8		
	Glue Path	/Applications/Glue.app Glue not installed? Click here	Unsupported version



4. Install Glue software (globcon - Settings / Preferences - Services)

MIDI (E	XBOX.SG)	HCONTROL			
 ✓ System User Settings 		HCONTROL.8			
		Glue Path	/Applications/Glue.app		Þ
		Giue Faui	Glue not installed? Click here	Unsupported version	
	NOTES				

To ensure that the correct version of glue is installed on the system follow the link ('Click here') from globcon only.

At the end of the installation process you must uncheck the option 'Run Glue after Installation'. Glue needs to be started from the globcon preferences panel.

MIDI (EXBOX.SG) USB Discovery	HCONTROL		
 ✓ System User Settings 	HCONTROL.8		
	Glue Path	/Applications/Glue.app	Delested version: 1.4.4

- 5. Check installation path of glue and activate HCONTROL (blue check box)
- 6. Connect USB-C cable with computer
- 7. Connect power supply to HCONTROL
- 8. Switch-on HCONTROL



Installation - Network Control

After you have successfully connected HCONTROL to your globcon instance via USB, you can change the connection type from USB to Ethernet.

- **1.** Select globcon Settings / Preferences from the menu bar.
 - ⇒ Services / Globcon Controller / HCONTROL
 - ⇒ Click the 'globe' icon to open the browser display

Q	Services Globcon Controller	
▼ Services Globcon Controller	Globcon Controller	
✓ DirectOut MIDI (MADI.BRIDGE)	Active	
	Interface	en0 - 192.168.2.109
MIDI (PRODIGY)	Port	9091
DONet MIDI (EXBOX.SG) USB Discovery	Channels per layer	16 Channels 🔹
▼ System	HCONTROL	
User Settings	Enable	
	Configure Ethernet Devic	xe 📿
	Glue Path	/Applications/Glue.app
		Glue not installed? Click here Detected version: 1.4.7

- **2.** A browser window will open showing all controllers which had been connected to globcon. The controller which is currently connected via USB is showing up green.
 - ⇒ Click the 'gear' icon to open the IP settings of the controller.

Controller Status			
Controller	Connection Type	(IP) Address	Status
A2 (WGM6LY)	⊷ USB	/dev/tty.usbmodem2201	ок 👳
HCONTROL.8	⊷ USB		Not Connected
HCONTROL.8	⊷ USB	/dev/tty.usbmodem83101	Not Connected
+ Add Controller with	IP Address		



Adjust the IP settings of the controller to your requirements.⇒ Click 'Save'

Control	ler Network Settings
Mode	DHCP Static
Static IP	192.168.2.181
Subnet Mask	255.255.255.0
Gateway	0.0.0
	Cancel

4. Now you can disconnect the USB cable between HCONTROL and your computer.



Priority: If USB is connected the ethernet port will be inactive.

- **5.** Switch-off HCONTROL hardware controller.
- 6. Open Settings / Preferences from the menu bar.
 - ⇒ Services / Globcon Controller
 - ⇒ Deactivate HCONTROL (blue check box)
 - ⇔ Click 'Apply'

USB Discovery ▼ System	HCONTROL	
User Settings	Enable	
	Configure Ethernet Device	•

Activate HCONTROL again
 ⇒ Click 'Apply'

8. Click the 'globe' icon to open the browser display to see connected controllers.

9. Switch-on HCONTROL hardware controller.



- **10.** The browser window showing the Controller Status should display now a generic MPX Controller which has the assigned IP address.
 - ⇒ Select '+ Use this Controller' on the right.

Controller Status				
Controller	Connection Type	(IP) Address	Status	
A2 (VAGQW8)	⊷ USB	/dev/tty.usbmodem83301	Not Connected	Û
HCONTROL.8	+⇔ USB		Not Connected	Û
HCONTROL.8	•⇔ USB	/dev/tty.usbmodem83101	Not Connected	Ŭ
MPX Controller	器 Ethernet	192.168.2.181:42600	Found on the Network, not connected	+ Use this Controller
+ Add Controller with IP Address				

11. The IP controlled hardware will be mapped to the local instance of globcon.

Controller Status				
Controller	Connection Type	(IP) Address	Status	
A2 (WGM6LY)	융 Ethernet	192.168.2.181:42600	ок	ø 🖞
HCONTROL.8	+← USB		Not Connected	Û
HCONTROL.8	+← USB	/dev/tty.usbmodem83101	Not Connected	



Status LED - Connection Modes

A status LED at the rear side displays the different connection modes:

LED	code	Mode
	Red - blinking	USB - connected to computer, no host connected yet
•	Red - solid	USB - connected to host
	Blue - blinking fast	IP active (= no USB connected) - waiting for DHCP
-•	Blue - blinking slow	IP active (= no USB connected) - IP address is set (DHCP has responded or manual IP assigned) no host connected yet
	Blue - solid	IP mode active (= no USB connected), host connected

It works...

Once everything is installed and running your HCONTROL should look like this.

