

Christie Spyder ShotBox

USP3-SBX-VSS

User Manual

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REVISIONS

1.00 06/15/15 Original draft.

1. OVERVIEW

The USP3-SBX-VSS, Spyder ShotBox, provides tactile, fast, easy, and dependable control over Spyder to recall Command Keys. The Spyder ShotBox reads the Command Keys in Spyder and automatically maps them to ShotBox keys.

- Press a button → Recall Command Key!
- Press Page Select button, 1 - 10
Press Command Key button, 1 – 30
To Recall Command Key
- Cue to PREVIEW / Cue to PROGRAM at the press of a button
- Step Forward / Step Reverse through Command Key script
- Read Command Key PAGES 1 – 10 or PAGES 11 – 20 into ShotBox
- Controls 8 Spydere
- Connect to Spyder over Ethernet & control 8 Spydere

Tactile – Fast – Easy – Dependable CONTROL

Getting Started.....

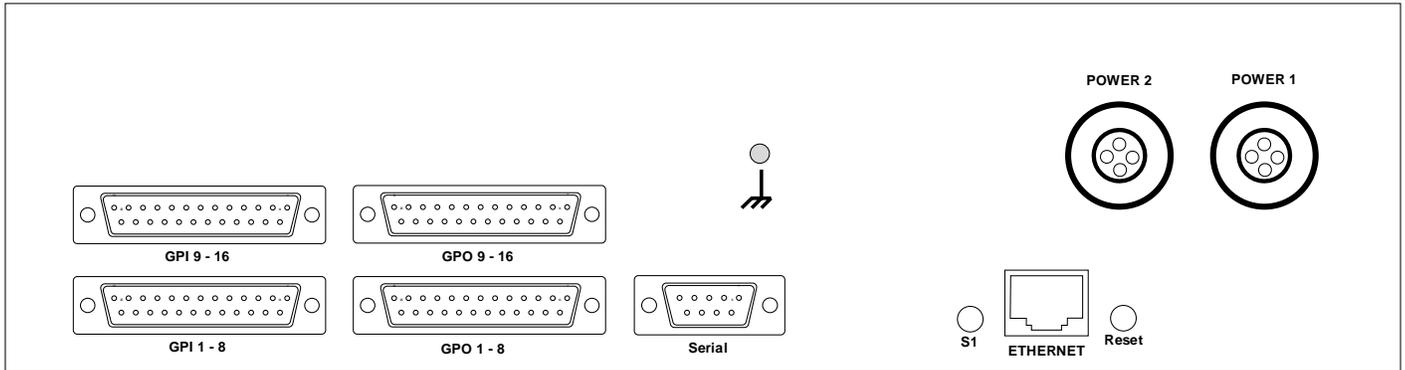
1. Go to Installation Section to install ShotBox
2. Go to System Configuration Section to set static IP address, Subnet Mask, and Gateway address
3. Go to Remote Device Assignment Section to enter Spyder IP address and create Spyder name that will be displayed in MENU
4. Go to MENU section to set default settings

2. EQUIPMENT LIST

Qty	Component	DNF Part Number
1	Spyder ShotBox	USP3-SBX-VSS
1	USP3 POWER SUPPLY	included
1	POWER CORD	included

3. INSTALLATION

- a. Connect supplied power supply to POWER 1 connector. For redundant power option, connect power supplies to POWER 1 and POWER 2 connectors.
- b. Connect Ethernet cable to ETHERNET connector.



Rear View

DEFAULT ETHERNET CONFIGURATION

IP Address: **192.168.10.217**
Subnet Mask: **255.255.255.0**
Gateway: **192.168.10.1**

The Spyder ShotBox is configured using a standard web browser (Internet Explorer, Firefox, and Chrome). Enter the ShotBox's IP address in the Address/ URL bar, typically located at the top of the web browser page, to access the Home Page. Use the links on the left side of the Home Page to access the desired configuration web pages.

All configuration settings are saved in non-volatile memory in the ShotBox. Settings are retained when power is removed.

Settings may be uploaded to a computer as a configuration file (.dnf) for storage. Configuration files may be downloaded from a computer into the Shotbox to restore a saved configuration. A configuration file contains all of the ShotBox's configurations except IP address, subnet mask, and gateway address. The ShotBox does not support partial configuration upload or download. The configuration file is a not a text formatted file. It cannot be viewed or modified with a text editor.

To access the System Configuration web page, use the following log-on when prompted.

User name: dnfuser
Password: controls

4. SYSTEM CONFIGURATION WEB PAGE

P1 Software Upgrade:	Use this link to install the P1 upgrade file provided by DNF Controls
P2 Software Upgrade:	Use this link to install the P2 upgrade file provided by DNF Controls
Web Upgrade:	Use this link to install the Web pages upgrade file provided by DNF Controls
Save Configuration to PC:	Use this link to save the ShotBox's current configuration to a configuration file on a computer. The web browser will prompt for file name and directory. The file extension must be 'dnf'.
Restore Configuration from PC:	Use this link to download a configuration file from your computer to the ShotBox. The web browser will prompt for directory and configuration file name. The file extension must be 'dnf'.
Set Factory Defaults:	Use this link to reset all ShotBox configuration settings to factory defaults. This will NOT change the IP address, subnet mask or gateway address. The ShotBox will automatically reboot.
Enter the new IP settings below:	Enter the new IP address, Gateway, and Subnet Mask. Click on <u>Save Config</u> to save the new entries. The ShotBox will automatically reboot.

5. REMOTE DEVICE ASSIGNMENT WEB PAGE

Home [Refresh](#)

Remote Device Assignment

Log Out

System Configuration

REMOTE DEVICE LIST									
Device #	Remote Device Label	Device Type	Connection Type	Connection Mode	UDP Attempts	IP Address	Port Number	Heartbeat Rate (seconds)	Connection Status
1	VSS_PC	Spyder ▼	▼	▼	▼	192.168.10.190	11116	5 ▼	Connected
2	2nd_VSS-Ern	Spyder ▼	▼	▼	▼	192.168.10.127	11116	5 ▼	-----
3	Laptop	Spyder ▼	▼	▼	▼	192.168.10.69	11116	5 ▼	-----
4	Remote Device 4	Spyder ▼	▼	▼	▼	0.0.0.0	11116	5 ▼	-----
5	Remote Device 5	Spyder ▼	▼	▼	▼	0.0.0.0	11116	5 ▼	-----
6	Remote Device 6	Spyder ▼	▼	▼	▼	0.0.0.0	11116	5 ▼	-----
7	Remote Device 7	Spyder ▼	▼	▼	▼	0.0.0.0	11116	5 ▼	-----
8	Remote Device 8	Spyder ▼	▼	▼	▼	0.0.0.0	11116	5 ▼	-----

Remote Device Label	Enter up to 32 characters. The first 12 characters will be displayed on the ShotBox key when the MENU key is pressed.
Device Type	Spyder
Connection Type	Greyed out
Connection Mode	Greyed out
UDP Attempts	Greyed out
IP Address	Enter IP address for Spyder to be controlled
Port Number	Greyed out
Heartbeat Rate	Set heartbeat polling rate. 5 seconds is the recommended setting
Connection Status	Displays "Connected" in green when communicating with Spyder. Displays "-----" when NOT communicating with Spyder or no IP address has been entered. NOTE- The ShotBox will display "WAITING FOR SPYDER" across its keys when it is not able to communicate with the selected Spyder.
Save Button	Click on Save button to save entered settings
Refresh Link	Click on Refresh link to refresh Connection Status

NOTE- The ShotBox will display "WAITING FOR SPYDER" across its keys when it is not able to communicate with the selected Spyder.

Check:

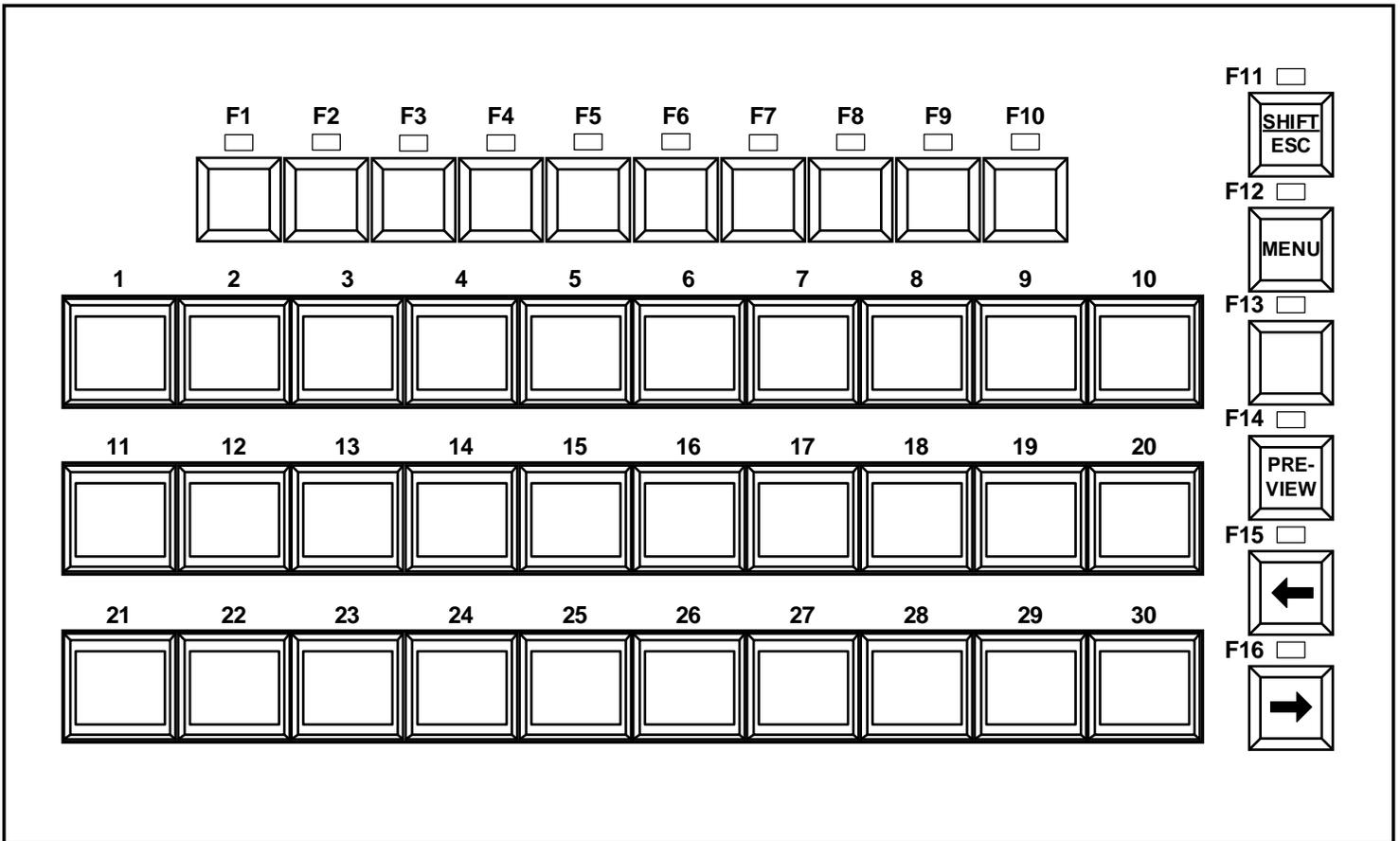
The IP address entered for this Spyder

The Ethernet connection to the ShotBox

The left amber light on the RJ45 should be on

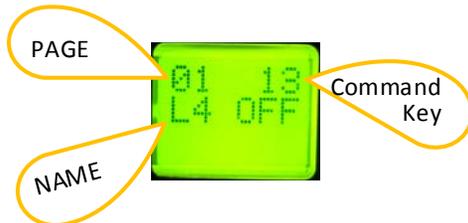
The right green light on the RJ45 shows network activity

6. SHOTBOX KEYLAYOUT



Press keys F1 – F10 to select a PAGE, 1-10 or 11-20 per MENU setting.

Press keys 1 – 30 to select a Command Key on the currently selected page.



Press ←, Left Arrow key, to step Reverse through last recalled Command Key's script.

Press →, Right Arrow key, to step Forward through last recalled Command Key's script.

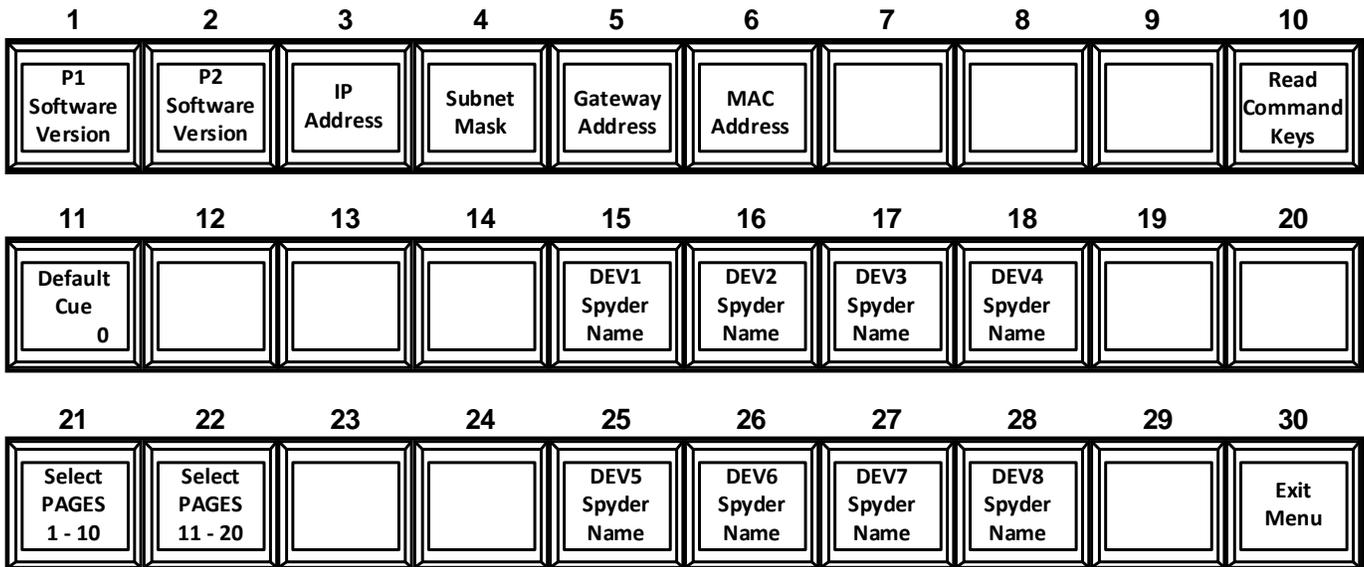
Press PREVIEW key to jump to PREVIEW cue.

Press SHIFT + PREVIEW keys to jump to PROGRAM cue.

Press MENU to access the Setup Menu.

7. SETUP MENU

Press the ShotBox MENU key to enter the Setup Menu.



Keys 1 & 2 display the ShotBox software version.

Keys 3, 4, & 5 display the ShotBox's IP Address, Subnet Mask, Gateway Address, and MAC Address.

Press **Key 10** to Read Command Keys from the selected Spyder and in the selected page range.

Press **Key 11** to toggle between Cue 0 and Cue 1. The current cue number is displayed on the key. The recalled Command Key will cue to this value.

Press **Key 21** to read Command Keys from pages 1 - 10 on selected Spyder. Key face will turn red.

Press **Key 22** to read Command Keys from pages 11 – 20 on selected Spyder. Key face will turn red.

Press **Keys 15 through 18** and **25 through 28** to select the current Spyder. Only the selected Spyder will be controlled by the ShotBox. The selected Spyder's key face will turn red.

Press **Key 30** to exit the menu.

When a Spyder is selected, its Command Keys will automatically be read by the ShotBox, in the currently selected page range.

When a SELECTED PAGES range is selected, the Command Keys for that range on the selected Spyder will automatically be read by the ShotBox.

NOTE- All menu settings are saved in non-volatile memory in the ShotBox and will be restored after the ShotBox is powered up.

8. READ SPYDER COMMAND KEYS IN SHOTBOX

The Spyder Command Keys will automatically be read by the ShotBox:

- After the ShotBox is powered up
- Whenever the Read Command Keys key in the Setup Menu is pressed.
- Whenever the SELECTED PAGEs range key is pressed.
- Whenever a Spyder Device key is pressed.

While the Command Keys are being read, the ShotBox keys will display “Reading Command Keys”. Key 29 will display “PAGE” and Key 30 will display the page number currently being read. When Read Command Keys has completed, the ShotBox keys will display a page of Command key names.

NOTE- The ShotBox keys will be blank when an error occurs reading the Command Keys or the Command Key page is empty.

9. STEP THROUGH COMMAND KEY SCRIPT

- a. Recall a Command Key by selecting a page (F1 – F10) and then pressing the desired Command Key (LCD Key 1 – 30).
- b. Press ←, Left Arrow key, to step Reverse through the last recalled Command Key's script.
- c. Press →, Right Arrow key, to step Forward through the last recalled Command Key's script.
- d. Press PREVIEW key to jump to the PREVIEW cue.
- e. Press SHIFT + PREVIEW keys to jump to the PROGRAM cue.

10. DNF CONTROLS LIMITED WARRANTY

DNF Controls warrants its product to be free from defects in material and workmanship for a period of one (1) year from the date of sale to the original purchaser from DNF Controls.

In order to enforce the rights under this warranty, the customer must first contact DNF's Customer Support Department to afford the opportunity of identifying and fixing the problem without sending the unit in for repair. If DNF's Customer Support Department cannot fix the problem, the customer will be issued a Returned Merchandise Authorization number (RMA). The customer will then ship the defective product prepaid to DNF Controls with the RMA number clearly indicated on the customer's shipping document. The merchandise is to be shipped to:

DNF Controls
19770 Bahama St.
Northridge, CA 91324
USA

Failure to obtain a proper RMA number prior to returning the product may result in the return not being accepted, or in a charge for the required repair.

DNF Controls, at its option, will repair or replace the defective unit. DNF Controls will return the unit prepaid to the customer. The method of shipment is at the discretion of DNF Controls, principally UPS Ground for shipments within the United States of America. Shipments to international customers will be sent via air. Should a customer require the product to be returned in a more expeditious manner, the return shipment will be billed to their freight account.

This warranty will be considered null and void if accident, misuse, abuse, improper line voltage, fire, water, lightning or other acts of God damaged the product. All repair parts are to be supplied by DNF Controls, either directly or through its authorized dealer network. Similarly, any repair work not performed by either DNF Controls or its authorized dealer may void the warranty.

After the warranty period has expired, DNF Controls offers repair services at prices listed in the DNF Controls Price List. DNF Controls reserves the right to refuse repair of any unit outside the warranty period that is deemed non-repairable.

DNF Controls shall not be liable for direct, indirect, incidental, consequential or other types of damage resulting from the use of the product.

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