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ST320-EVS

Shotbox

USER MANUAL

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1. REVISION HISTORY

010604 Rev. 2.1 Company header information revised.
Reformatted.
Added DNF Controls Limited Warranty.

2. FEATURES

- Quick and Easy “Shotbox” operation of EVS
- Select a Page
- Select a Playlist
- Cue-up a Playlist
- Transport Control of a Playlist
- Load Clips

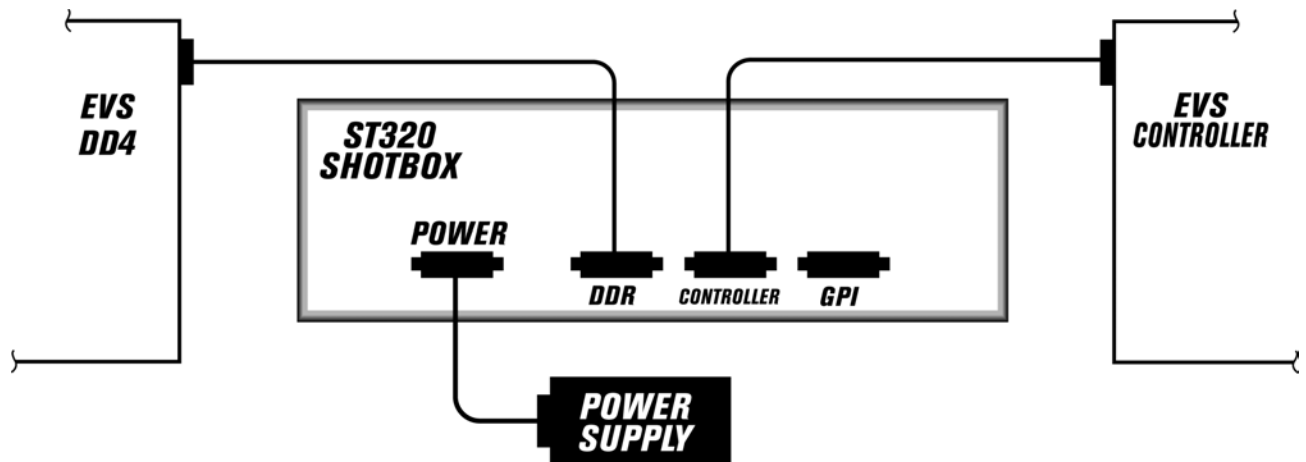
Getting Started . . .

3. INSTALLATION

- a. Plug one end of the standard 9-pin cable into EVS DDR connector on the back of the ST320. Plug the other end into 422 REMOTE connector on the EVS DDR.
- b. Plug one end of the standard 9-pin cable into EVS CONTROLLER connector on the back of the ST320. Plug the other end into D9 connector on the EVS remote control panel.
- c. Connect power to the ST320. **DO NOT HOTPLUG !!!**

Installation is complete

CONNECTION DIAGRAM



4. SELECT LSM VERSION

- a. Press **[PLAY]**, **[STOP]** and **[CUE #]** keys simultaneously to select the version of the LSM Software.
- b. The display shows the currently selected EVS Mode and prompts you to press **[PLAY]** to change type.
- c. Press **[PLAY]** to toggle between:
 - “OLD 1 CAM”
 - “NEW 1 CAM”
 - “NEW 2 CAM” EVS TYPES
- d. Press **[ESC]** to exit.

NOTE: The differences between the OLD and NEW systems are:
OLD has 4 pages, 40 playlists.
NEW has 3 pages, 30 playlists.

5. OPERATIONS

a. SELECT A PAGE

- 1) Press [**PAGE1**] key to select page 1.
- 2) Page 1 LED will turn on indicating that desired page was selected.
- 3) Press [**PAGE2**], [**PAGE3**], [**PAGE4**] keys to select page 2, 3 and 4 respectively.
(New systems have 3 pages, page 4 key doesn't do anything).

b. SELECT A BANK

- 1) Keys 1-10 are banks 1-10.
- 2) Press one of the keys [**1**] through [**10**] to select the desired bank. The corresponding LED will turn on.

c. SELECT A PLAYLIST

- 1) Keys 11- 50 always represent playlists 1-40 on the LSM (OLD Style).
- 2) Keys 11- 40 always represent playlists 11-39 on the new style LSM.
- 3) Press a key with a desired playlist number to select a playlist.
- 4) The key LED will turn on indicating that the command to select that playlist was sent to the EVS DDR.

d. CUE-UP A PLAYLIST

- 1) Select a playlist as described in the previous step.
- 2) Press a [**RECUE**] key.
The selected playlist will be cued up and ready to play.

e. TRANSPORT CONTROL OVER A PLAYLIST

- 1) Select and cue-up a playlist as described in previous steps.
- 2) Press a [**PLAY**] key. The playlist will start playing out.
- 3) Press a [**STOP**] key to stop a playback at any time.
- 4) Press [**PLAY**] to resume a playback.
- 5) Press a [**RECUE**] key to RECUE a currently selected playlist to the beginning.
- 6) Press [**SHIFT**] + [**PLAY**] in Playlist Mode to seamlessly skip to the next clip in the playlist.

f. LOAD A CLILP (CUE #)

- 1) Press a [CUE#] key.
The first line of the display will prompt to display a 3-digit ID.
- 2) Enter a 3-digit clip # using keys 1-10.
The second line of the display will show the entered numbers.
- 3) Press [ENTER] key to load an entered clip.
OR
[CUE #] key to exit that mode without loading a clip.
- 4) Upon loading a clip, the ST320 will leave the CUE mode and go back to playlist mode.
- 5) Press [PLAY] key to play a clip.
- 6) Press [STOP] key to stop a clip.

Reference . . .

6. SPECIFICATIONS

Power	90 VAC to 265 VAC adapter supplied with IEC connector
Size	(L x W x H) 12" x 6" x 1.5" (front) 3.0" (rear)
Weight	4 lbs.
Real Panel Connectors	Power..... DB9M OUTPUT DB9F AUX..... DB9F GPI..... DB15F
Display	Easy to read 2-line, backlit LCD display (User adjustable contrast)

POWER CONNECTOR

9-Pin D-Type, Male

Pin #	1	+5v DC	6	No Connection
	2	+5v DC	7	Ground
	3	Ground	8	Ground
	4	No Connection	9	Ground
	5	No Connection		

“AUX” PORT CONNECTOR EVS CONTROLLER

RS422 SERIAL CONNECTOR

9-Pin D-Type, Female (DB9F)

Pin #	1	Frame Ground	6	Receive Common
	2	Receive A ←	7	Receive B ←
	3	Transmit B →	8	Transmit A →
	4	Transmit Common	9	Frame Ground
	5	Spare		

“OUTPUT” PORT CONNECTOR EVS DDR

RS422 SERIAL CONNECTOR

9-Pin D-Type, Female (DB9F)

Pin #	1	Frame Ground	6	Receive Common
	2	Transmit A →	7	Transmit B →
	3	Receive B ←	8	Receive A ←
	4	Transmit Common	9	Frame Ground
	5	Spare		

GPI IN/OUT CONNECTOR
15-Pin D-Type, Female (DB15F)

Note: GPI's not implemented in V 1.0

7. 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
12843 Foothill Blvd., Suite D
Sylmar, CA 91342
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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