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ST100 USERS MANUAL for the SONY UVW-1200 & UVW-1400 VTRs

Vs. 1.2 010504
ST100_UVW_User_Manual.doc

REVISION HISTORY -

010504 Rev. 1.2 Company header information revised.
Added DNF Controls Limited Warranty.

STANDARD FUNCTIONS -

RECORD	REWIND
PLAY	FAST FORWARD
STOP	JOG/SHUTTLE MODE SELECT

JOG & SHUTTLE WHEEL - Active ONLY from STOP/STILL or JOG/SHUTTLE modes.

ADDITIONAL FUNCTIONS -

SHIFT + STOP = SET CUE POINT
SHIFT + PLAY = SEARCH TO CUE POINT
Press and hold SHIFT key. Press then release second key. Release SHIFT key.

REAL-TIME STATUS INDICATORS - ACTIVE ON

RECORD	REWIND/REVERSE
PLAY	FAST FORWARD/FORWARD
STOP/STILL	JOG MODE SELECTED

INSTALLATION

- a. Set the VTR's Data transfer rate to 9600 bps. See the SA-K27U/E Reference Manual. (Set Internal Dip Switches #4-1 & #4-2 to the ON position.)
- b. Plug one end of a 9-conductor, RS232 serial cable in to the 9-pin connector on the rear of the ST100. Plug the other end of the cable into the 9-pin remote connector on the VTR.
- c. Plug the POWER SUPPLY into the 1/8 inch round jack on the rear of the ST100. Plug the other end of the POWER SUPPLY into 110 VAC.
- d. Select REMOTE operation on the VTR's front panel.
- e. Set the RECORD SELECTOR SWITCHES, located on the rear panel of the ST100, to the desired record mode per the "RECORD SELECTOR CHART."

Installation is completed.

OPERATION

Select the desired transport function by pressing the appropriate switch on the front of the ST100.

The Real-Time Status Indicators will light to indicate the VTR's current tape transport mode.

For example- Pressing PLAY will put the VTR into the PLAY mode.
The PLAY Status Indicator will light when the VTR is in PLAY mode.

The real-time Tape Counter is displayed on the LCD Display.

Loss of serial communication with the VTR is indicated by ALL Status LEDs turned ON.

JOG/SHUTTLE OPERATION

Press the JOG key to toggle between JOG and SHUTTLE modes. The JOG LED will turn on in JOG mode.

To Jog or Shuttle, put the VTR into STOP or STILL mode.
Turn the WHEEL to control tape speed and direction.

NOTE- The Jog/Shuttle WHEEL will only be active in when the VTR is in STOP, STILL, or Jog/Shuttle modes.

RECORD MODE

Two (2) Record modes are available: Crash Record (Full Record) and Record Lockout.

Press only the RECORD switch to activate the selected Record mode. The Record Status Indicator will light when the VTR is in RECORD mode.

NOTE- The VTR will not go into Record mode if "Record Inhibit" is enabled on the VTR or tape cassette.

RECORD SELECTOR SWITCHES

<u>Mode</u>	<u>S1</u>	<u>S2</u>	<u>S3</u>	<u>S4</u>	<u>S5</u>	<u>S6</u>
Record Lockout	ON	OFF	OFF	OFF	OFF	OFF
Full Record	OFF	OFF	OFF	OFF	OFF	ON

RS232 SERIAL INTERFACE

ST100-UVW

9-Pin D-Type, Female

Pin #	1	Not Used
	2	Receive Data
	3	Transmit Data
	4	Not Used
	5	Ground
	6	Not Used
	7	Not Used
	8	Not Used
	9	Not Used

SONY UVW-1200

1	Not Used
2	Transmit Data
3	Receive Data
7	Signal Ground
[4	RTS
5	CTS
[6	DSR
20	DTR

ST100 GPI Connector, 15-Pin D-Type, Female

<u>Pin</u>	<u>Function</u>
1	+5v DC
2	SHIFT Switch, Active Low
3	Record Tally, Active Low, Open-Collector
4	Play Tally
5	Stop/Still Tally
6	Rewind/ Reverse Tally
7	Fast Forward/ Forward Tally
8	Jog Tally
9	Command Common
10	Record Command, Active Low
11	Play Command
12	Stop Command
13	Rewind Command
14	Fast Forward Command
15	Jog/Shuttle Select Command

RS422 SERIAL CONNECTOR, 9-Pin D-Type, Female

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

POWER CONNECTOR, 9-Pin D-Type, Female

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

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 C
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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