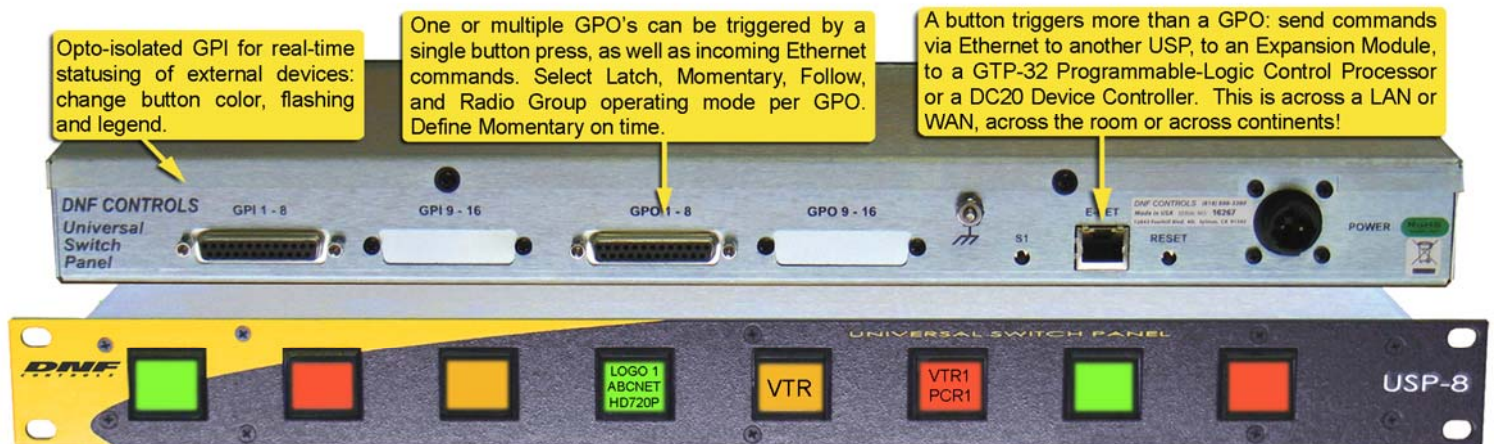# UNIVERSAL SWITCH PANEL
When You Need to Push a Button

The Universal Switch Panel (USP) is a panel of multi-purpose pushbutton switches designed to meet the wide range of pushbutton control and tally needs for broadcast, production, A/V, and industrial environments. The USP is available in a 1 RU rackmount housing with 8 or 16 front panel switches, or as an 8-button desktop model.

Opto-isolated GPI for real-time statusing of external devices: change button color, flashing and legend.

One or multiple GPO's can be triggered by a single button press, as well as incoming Ethernet commands. Select Latch, Momentary, Follow, and Radio Group operating mode per GPO. Define Momentary on time.

A button triggers more than a GPO: send commands via Ethernet to another USP, to an Expansion Module, to a GTP-32 Programmable-Logic Control Processor or a DC20 Device Controller. This is across a LAN or WAN, across the room or across continents!

The USP's buttons may be used for control with tally or as a powerful tally display. Define button tally (backlight) colors: Red, Green, or Amber. Set Flashing, Blinking or Solid. Define text legends to be displayed on LCD switch face. Three Font sizes: 1 row of 3 characters, 2 rows of 4 characters, 3 rows of 6 characters!

A USP user says: **"The most complex thing we do is close a simple switch. The Universal Switch Panel makes it easy."**

A single button push can:

1) Control one or more GPO's locally or remotely via Ethernet. Configure GPO as Latch, Momentary, Follow, or Radio Group.
2) Trigger text / hexadecimal command strings (ie: Chyron Intelligent Interface, Evertz MVP).
3) Trigger serial or Ethernet commands via the GTP-32 Programmable-Logic Control Processor or DC20 Device Controller

A button may also:

1) Monitor multiple equipment GPI's (alarms / tallies) on one LCD key. You prioritize tallies and the associated text messages.
2) Monitor and control SNMP Object Identifiers (OIDs) for system status and manual override. Control two OIDs per switch press. Monitor one OID per tally.
3) FLIP-FLOP GPO's: Control two momentary device inputs from one switch press. Toggle between inputs or monitor device GPI and toggle device states. Ideal for audio / video switches with momentary input selects.
4) Be assigned as "ENABLE": Disallow switch presses until the ENABLE key is pressed and held. Eliminate accidents / mistakes.
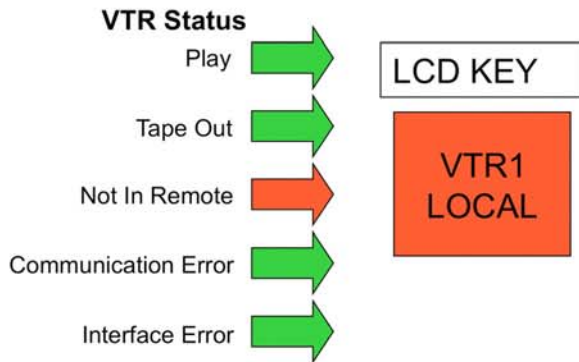
Simple to configure; Simple to reconfigure!

The Universal Switch Panel is easily configured using an off-the-shelf web browser. Configuration changes are immediately active, no reboot required! All configuration settings are retained in non-volatile memory.

Universal Switch Panel

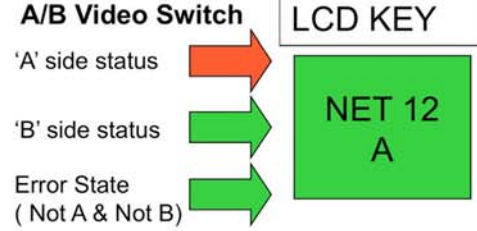| Home / SNMP Assignment / Switch Assignment / Tally Assignment / GPOs / GPIs / System Configuration	Switch Tally	ON Text	OFF Text	ON Font	OFF Font	ON Color	OFF Color	Local Source
				TALLY ASSIGNMENT				
	1	SW1 ON	SW1 OFF	Normal	Normal	Green	Red	SNMP Tally
	2	SW2 ON	SW2 OFF	Normal	Normal	Green	Red	SNMP Tally
	3	SW3 ON	SW3 OFF	Normal	Normal	Green	Red	SNMP Tally
	4	SW4 ON	SW4 OFF	Normal	Normal	Green	Red	SNMP Tally
	5	SW5 ON	SW5 OFF	Normal	Normal	Green	Red	SNMP Tally
	6	SW6 ON	SW6 OFF	Normal	Normal	Green	Red	SNMP Tally
	7	SW7 ON	SW7 OFF	Normal	Normal	Green	Red	SNMP Tally
	8	SW8 ON	SW8 OFF	Normal	Normal	Green	Red	SNMP Tally
	9	SW9 ON	SW9 OFF	Normal	Normal	Green	Red	SNMP Tally
	10	SW10 ON	SW10 OFF	Normal	Normal	Green	Red	SNMP Tally

UNIVERSAL SWITCH PANEL WITH EXTENDED TALLIES - USP- 8/16 - ET

Extended Tallies provide comprehensive status on one USP key for reliable device control. Tally up to 5 device statuses per key. Assign a key legend and tally color (solid or flashing) to each desired status. Or, configure the key legend and color to display real-time device status. *See the whole picture with the Extended Tallies option!*

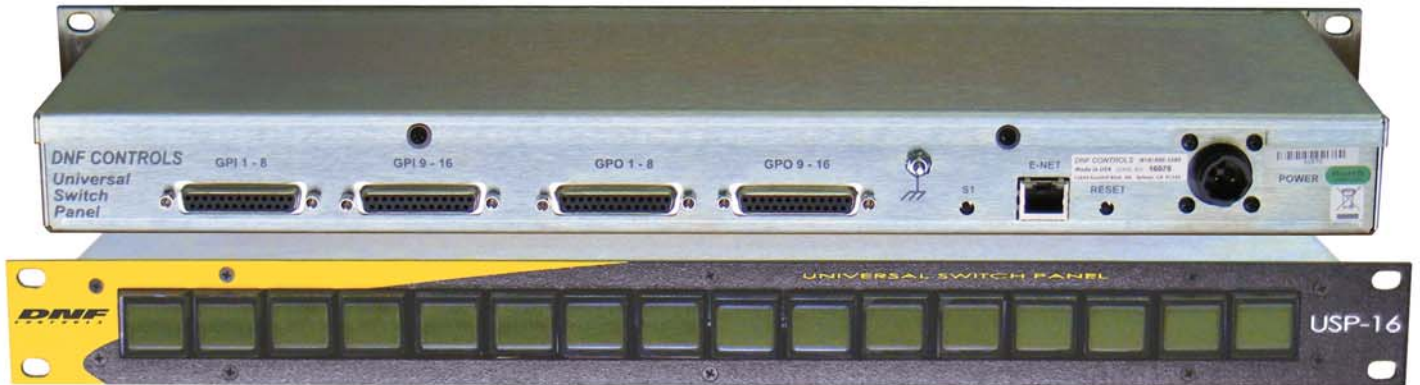## Comprehensive Status- Simple Control

VTR Status

Play →

Tape Out →

Not In Remote →

Communication Error →

Interface Error →

LCD KEY

VTR1 LOCAL

Complete Status- Reliable Control

A/B Video Switch

LCD KEY

'A' side status →

'B' side status →

Error State (Not A & Not B) →

NET 12 A

The above diagrams show tallies as recieved from a DC20 device controller.

Please note: the standard USP-Alarm Function is not available on USP-ET.

Available Models

USP-8   8 Button Universal Switch Panel with 8 GPO / 8 GPI, 1-RU rackmount

USP-8-ET   8 Button Universal Switch Panel - Extended Tallies

USP-8D   8 Button Universal Switch Panel with 8GPO / 8GPI, Desktop Panel

USP-8-SNMP   8 Button Universal Switch Panel with SNMP only, 1-RU rackmount

USP-8-AHSC   8 Button Universal Switch Panel with ASCII Hex String Control Function*, 1-RU rackmount

USP-8A   8 Button Universal Switch Panel with 16 GPO / 16 GPI, 1-RU rackmount

USP-16   16 Button Universal Switch Panel with 16 GPO / 16 GPI, 1RU rackmount

USP-16-ET   16 Button Universal Switch Panel - Extended Tallies

USP-16-AHSC   16 Button Universal Switch Panel with ASCII Hex String Control Function*, 1-RU rackmount

USP-16-SNMP   16 Button Universal Switch Panel with SNMP only, 1-RU rackmount

USP-EM-8   Universal Switch (USP) Expansion Module - 8 GPO / 8 GPI (No buttons on front panel)

USP-EM-16   Universal Switch (USP) Expansion Module - 16 GPO / 16 GPI (No buttons on front panel)

* A string of ASCII and HEX characters can be assigned to a front panel switch by the user. When the switch is pressed, the user entered string is transmitted to the designated IP address and port. Each Switch can be configured with a different string. IP address, and Port number.

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C O N T R O L S

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