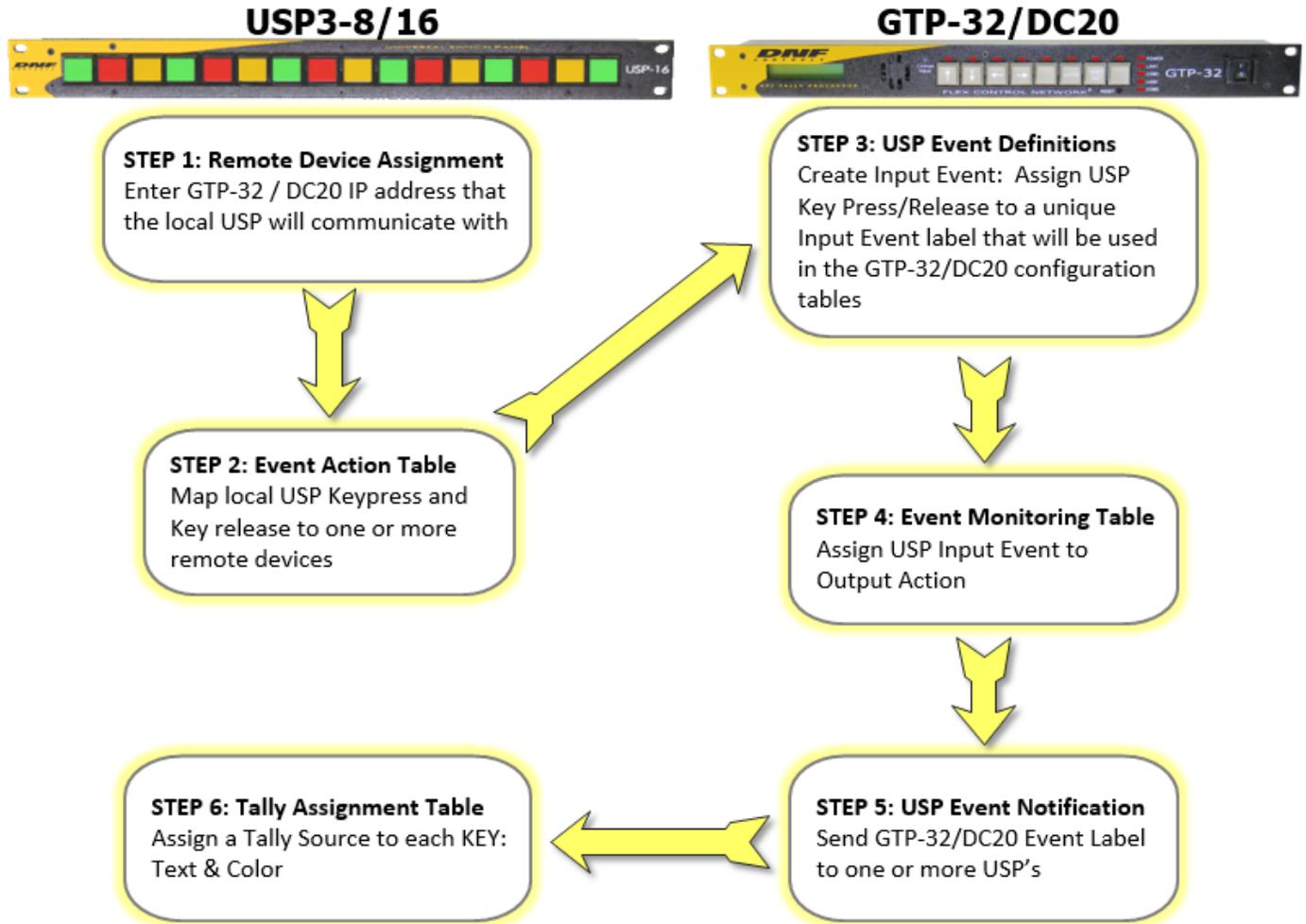


Getting Started....

USP3 TO GTP CONFIGURATION



EXAMPLE: USP3 KEYPRESS TO GTP GPO (LATCHED/MOMENTARY)

USP3 CONFIGURATION

1. Navigate to the Remote Device Assignment web page and enter the IP address of the GTP-32/ DC20 to send commands to and receive status from.
2. Enter a unique label identifier in the Remote Device Label text field.
3. Select “GTP-32/DC20” from the Device Type dropdown. If using a Primary/Backup setup please assign your GTP/DC accordingly.

The Connected Status column will turn green and will display a “Connected” after a successful connection has been established to the GTP/DC20

REMOTE DEVICE LIST										
Device #	Remote Device Label	Device Type	Primary /Backup Pair	Connection Type	Connection Mode	UDP Attempts	IP Address	Port Number	Heartbeat/ Comm Period (seconds)	Connection Status
1	GTP MAIN	GTP-32/DC20	None				0.0.0.0		5	-----
2	GTP BACK	GTP-32/DC20	None				0.0.0.0		5	-----

4. Navigate to the Event Action Table web page to map a keypress to one or more remote devices.

EVENT IN -> ACTION OUT TABLE									
Line#	EVENT IN			ON ACTION			OFF ACTION		
	Source	Event Type	Event	Local/ Remote Device	Type	Action Label	Local/ Remote Device	Type	Action Label
1	Local	Key Press	1	GTP MAIN	Key Press		GTP MAIN	Key Release	
2	Local	Key Press	1	GTP BACK	Key Press		GTP BACK	Key Release	
3	Local	Key Press	1	Local	GPO ON	GPO_1	Local	GPO OFF	GPO_1

5. Navigate to the Tally Assignment web page and select the tally source (Local / Remote). Entries created in the Remote Device Assignment will be displayed.
6. Select the “Follow GTP/DC” selection from the Tally Type dropdown.
7. Select the key backlight color— dark, red, green, amber; solid or flashing etc.
8. Enter the text to displayed on the LCD key when the tally is ON and when the tally is OFF.
9. Enter the Event label of GTP Tally source. Entered Event Labels must exactly match the Event Label selected on the GTP-32/DC20 Event Notification Table.

TALLY ASSIGNMENTS										
Key #	Current State	Tally Source	Tally Type	Number	Tally	Tally Color	Text	Font Size	Event Label	Value
1	OFF: 0	GTP MAIN	Follow GTP/DC		OFF:	Red	OFF	Normal	GPO_1	
					ON:	Green	ON	Normal		

GTP-32/DC20 CONFIGURATION

1. Navigate to the USP Event Definition Table web page, enter the IP address of the USP3 to receive key presses from.
2. Select “Keypress Momentary” if the key will perform a one-time action or select “Keypress” if a key will be used in a multi-key combination.
3. Enter a unique Local Event Label that will be used in the GTP-32/DC20’s configuration tables to identify this specific USP3 Keypress source event.

Line #	Local Event Label	IP Address	Event Type	Event #	Value	Destination User Register	Conditional User Register	Event Status
1	USP_KEY1	192.168.10.232	Keypress Momentary	1	N/A	N/A	N/A	Pending

4. On the Event Monitoring Table web page, click on the ADD link. Select a source event (USP3 key identifier) from the Source Event Type drop down list.
5. Select an action to trigger from the ON/OFF drop-down list for when the source event turns ON and when the source event turns OFF.

i.e.: When USP Key #1 is pressed, it triggers GPO #5 to turn on.

When USP Key #1 is released, it triggers GPO #5 to turn off.

When USP Key #2 is pressed, turn on GPO#1. (Momentary)

When USP Key #2 is released, do nothing.

EVENTS							ACTIONS				
Status	Source IP	Connection Status	Event Label	Registration State	Event State	Event Type	ON/OFF Type	ON Data	ON Function	OFF Data	OFF Function
Enabled	0.0.0.0	Local	GPI_1	REGISTERED	OFF	GPI	GPO Control	5:GPO_5	Turn On GPO	5:GPO_5	Turn Off GPO
Enabled	0.0.0.0	Local	USP_KEY1	REGISTERED	OFF	USP_Event	GPO Control	1:GPO_1	Turn On GPO	N/A	Do Nothing

6. On the Event Notification Table web page, enter the USP3 IP address and its community string (always “public”).
7. Select a Tally Source– GPI state, GPO state, or device status– to send to the USP3 IP address. The selected Event Labels will be used by the USP3 to control its key tallies.

USP IP Address	Community String	Event Name	Event State	Registration State
192.168.10.232	public	GPO_1	OFF	OK
192.168.10.232	public	GPO_5	OFF	OK

EXAMPLE: USP3 KEYPRESS TO GTP GPO (TOGGLE)

USP3 CONFIGURATION

1. Navigate to the Remote Device Assignment web page and enter the IP address of the GTP-32/ DC20 to send commands to and receive status from.
2. Enter a unique label identifier in the Remote Device Label text field.
3. Select “GTP-32/DC20” from the Device Type dropdown. If using a Primary/Backup setup please assign your GTP/DC accordingly.

The Connected Status column will turn green and will display a “Connected” after a successful connection has been established to the GTP/DC20

REMOTE DEVICE LIST										
Device #	Remote Device Label	Device Type	Primary /Backup Pair	Connection Type	Connection Mode	UDP Attempts	IP Address	Port Number	Heartbeat/ Comm Period (seconds)	Connection Status
1	GTP MAIN	GTP-32/DC20	None				0.0.0.0		5	-----
2	GTP BACK	GTP-32/DC20	None				0.0.0.0		5	-----

4. Navigate to the Event Action Table web page to map a keypress to one or more remote devices.

EVENT IN -> ACTION OUT TABLE									
Line#	EVENT IN			ON ACTION			OFF ACTION		
	Source	Event Type	Event	Local/ Remote Device	Type	Action Label	Local/ Remote Device	Type	Action Label
1	Local	Key Press	1	GTP MAIN	Key Press		GTP MAIN	Key Release	
2	Local	Key Press	1	GTP BACK	Key Press		GTP BACK	Key Release	
3	Local	Key Press	1	Local	GPO ON	GPO_1	Local	GPO OFF	GPO_1

5. Navigate to the Tally Assignment web page and select the tally source (Local / Remote). Entries created in the Remote Device Assignment will be displayed.
6. Select the “Follow GTP/DC User Register” selection from the Tally Type dropdown.
7. Select the key backlight color— dark, red, green, amber; solid or flashing etc.
8. Enter the text to displayed on the LCD key when the tally is ON and when the tally is OFF.
9. Enter the Event label of GTP User Register Tally source, it should match the GTP-32/DC20 Event Notification Table.
10. In the Value Column enter the zero (0) value for the OFF line and enter the one (1) value for the UR1 line.

TALLY ASSIGNMENTS										
Key #	Current State	Tally Source	Tally Type	Number	Tally	Tally Color	Text	Font Size	Event Label	Value
1	OFF: 0	GTP-32	Follow GTP/DC User Register		OFF:	Red	OFF	Normal	UR_USPKEY1	0
					UR1:	Green	ON	Normal		1
					UR2:	Dark		Normal		
					UR3:	Dark		Normal		
					UR4:	Dark		Normal		

GTP-32/DC20 CONFIGURATION

1. Navigate to the USP Event Definition Table web page, enter the IP address of the USP3 to receive key presses from.
2. Select “Keypress Momentary” if the key will perform a one-time action or select “Keypress” if a key will be used in a multi-key combination.
3. Enter a unique Local Event Label that will be used in the GTP-32/DC20’s configuration tables to identify this specific USP3 Keypress source event.

Line #	Local Event Label	IP Address	Event Type	Event #	Value	Destination User Register	Conditional User Register	Event Status
1	USP_KEY1	192.168.10.232	Keypress Momentary	1	N/A	N/A	N/A	Pending

4. Navigate to the “User Register Configuration” web page, click on the edit link to assign a user register that will hold our toggle value.
5. Choose a User register Line and create a unique label, this user registers purpose is to hold a value when a key is pressed.

User Registers Table

User Register #	Label	Short Description	Long Description	Event Mode	Default Value	Disable OFF execution at power up	Current Value	Current Value (Hex)	Current Value (Binary)
1	UR_USPKEY1			Normal	0	NO	0	0x0	00000000

6. On the Event Monitoring Table web page, click on the ADD link.
7. Select a source event (USP3 key identifier) from the Source Event Type drop down list.
8. Assign the USP3 keypress to toggle the User Register.
9. Next on a separate line use the User register as a source event to drive the ON/OFF state of a GPO.
 - i.e.: When USP3 Key #1 is pressed, it Toggles ON the User Register.
 - When User Register is ON, it triggers GPO #1 to turn ON.

When USP3 Key #1 is pressed again, it Toggles OFF the User Register.
 When User Register is OFF, it triggers GPO #1 to turn OFF.

EVENTS							ACTIONS				
Status	Source IP	Connection Status	Event Label	Registration State	Event State	Event Type	ON/OFF Type	ON Data	ON Function	OFF Data	OFF Function
Enabled	0.0.0.0	Local	UR_USPKEY1	REGISTERED	OFF	User_Register	GPO Control	1:GPO_1	Turn On GPO	1:GPO_1	Turn Off GPO
Enabled	0.0.0.0	Local	USP_KEY1	REGISTERED	OFF	USP_Event	User Register Predefined	1:USPKEY1	URA_Toggle	N/A	Do Nothing

- On the Event Notification Table web page, enter the USP3 IP address and its community string (always “public”).
- Select the User Register being toggled by the USP3 Keypress to send to the USP3 IP address. The selected Event Labels will be used by the USP3 to control its key tallies.

USP Event Notification Table

USP IP Address	Community String	Event Name	Event State	Registration State
192.168.10.230	public	UR_USPKEY1	OFF	OK