

31 January 2018

1. First, we must instruct the tool to designate ports on the matrix as either USB 3.0 inputs or USB 3.0 outputs. USB 3.0 inputs (transmit - Lx) must be set as "UNI USB CPU" and USB 3.0 outputs (receive - Rx) must be set as "USB UNI CON"

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Open Save Reload Conn	iect <u>D</u> isc	onnect	Remote Config	uration OFF Remote S	ave Do	wnload	Upload Monitoring	Flash	Update Devic	ce Finder System Check	. Save Status		KVM & Beyond
20181030112934_SWITCH_	01.zip	Sub ×											
View	~	Ext	ender & De	vices - EXT Units	;						Re	mote Configuration	Mode activated
Matrix	_							Y					
Port		#	ID	Name	Port	Re 🔺	Туре	•	ID	102209421		CON Assigned	
Grid		01	102209421	UNI_102209421	41	-	UNI USB CON	4	Name	UNI_102209421			
Control		02	102209422	UNI_102209422	42	-	UNI		Port	41			
Control	^	03	102209423	UNI_102209423	43	-	UNI		Fixed				
Extended Switch		04	102209424	UNI_102209424	44	-	UNI		Location				
Presets		05	102209425	UNI_102209425	45	-	UNI			Device: SWITCH 01			
Status & Updates	~	06	102209426	UNI_102209426	46	-	UNI		Link 1	I/O board: 6			
Status - Matrix Firmware	_	07	102209427	UNI_102209427	47	-	UNI			Matrix port: 41			
Status - Extender Firmware		08	102209428	UNI_102209428	48	-	UNI		•				•
Update - Matrix Firmware		09	102216741	UNI_102216741	49	-	UNI		Extender Typ	e Firmware Version	General OSD Da	ta Extender OSD Data	
Update - Extender Firmware		10	102216742	UNI_102216742	50	-	UNI		Tuno	LINILLISE CON		0	5 115
Activate Configuration		11	102216743	UNI_102216743	51	-	UNI		Type	UNI	-	Standard Vie	N Expert view
Miscellaneous	_	12	102216744	UNI_102216744	52	-	UNI			UNI CON	Basic	Mod A	Mod B
System Settings	^	13	102216745	UNI_102216745	53	-	UNI		DVI/HDMI/VGA	UNI CPU			
System		14	102216746	UNI_102216746	54	-	UNI		HID (keyboard	UNI USB CON			
Access		15	102216747	UNI_102216747	55	-	UNI		Analog Audio				
Switch		16	102216748	UNI_102216748	56	-	UNI		Digital Audio				
Date and Time		17	102216751	UNI_102216751	57	-	UNI		RS232/RS422	2 (serial)			
Matrix Grid		18	102216752	UNI_102216752	58	-	UNI		USB-CON (er	mbedded)	\checkmark		
Extender & Devices	~	19	102216753	UNI_102216753	59	-	UNI		USB-CON (st	andalone)	\checkmark		
EVEL 1-2-	_	20	102216754	UNI_102216754	60	-	UNI		Universal-CO	N	\checkmark		
CPU Devices		21	102216755	UNI_102216755	61	-	UNI		Cascade-COI	Ν			
CON Devices		22	102216756	UNI_102216756	62	-	UNI						
User Settings	~	23	102216757	UNI_102216757	63	-	UNI						
occ. octango		24	102216758	UNI_102216758	64	-	UNI						
Users & Groups	_	25	010229601	EX1_010229601	8	-	CON	Ŧ					
Assignment	^	As	sign Settings to	Copy Setting	s from						New Unit	Delete Unit	<u>Apply</u> <u>C</u> ancel
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2. TeraTool will force you to restart the associated I/O board on the matrix every time a UNI change is made. To save time, I recommend clicking 'No' each time you're asked to restart, and then "Yes" after you've setup up the final port for that I/O board. This will allow you to modify all the UNI ports on a single I/O board before initiating the restart.

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Open Save Reload Connect Disc	connect	Remote Config	uration OFF Remote Sa	ave Do	wnload Up	load Monitoring	Flast	Update Devi	ice Finder Syst	tem Check Save	Status		KVM & Beyond
20181030112934_SWITCH_01.zip	Sub >	¢											
View	A Ext	tender & De	vices - EXT Units								Remo	ote Configuration	Mode activated
Matrix							Y I				1		
Port	#	ID	Name	Port	Red 🔺	Туре	Ť,	ID	102209421		cc	ON Assigned	
Grid	01	102209421	UNI_102209421	41	-	UNI USB CON	^	Name	UNI_102209	421			
Control	02	102209422	UNI_102209422	42	-	UNI		Port	41				
Control ^	03	102209423	UNI_102209423	43	-	UNI		Fixed					
Extended Switch	04	102209424	UNI_102209424	44	-	UNI		Location					
Presets	05	102209425	UNI_102209425	45	-	UNI			Device: SW	ITCH 01			
Status & Updates	06	102209426	UNI_102209426	46	-	UNI		Link 1	I/O board:	6			
	07	102209427	UNI_102200427	47		LINI		2	I/O board p	port: 1			
Status - Matrix Firmware Status - Extender Firmware	08	102209428	UNI_1022 Activate	e UNI/Ca	scading Exte	nder Changes				1			Þ
Update - Matrix Firmware	09	102216741	UNI_1022	In	n order to act	ivate the UNI/Casca	ading (extender chang	ges, a restart	ersion Genera	I OSD Data	Extender OSD Data	
Update - Extender Firmware	10	102216742	UNI_1022	o	f the I/O boa	rd is obligatory. Do g	you wa	ant to					
Activate Configuration	11	102216743	UNI_1022	re	estart the I/O	board by now?				~		Standard Vie	w Expert View
Miscellaneous	12	102216744	UNI_1022					Yes	s <u>N</u> o		Basic	Mod A	Mod B
System Settings	13	102216745	UNI_1022										
System	14	102216746	UNI_102216746	54	-	UNI		HID (keyboar	rd, mouse)				
Access	15	102216747	UNI_102216747	55	-	UNI		Analog Audio)				
Switch	16	102216748	UNI_102216748	56	-	UNI		Digital Audio					
Network Date and Time	17	102216751	UNI_102216751	57	-	UNI		RS232/RS42	22 (serial)				
Matrix Grid	18	102216752	UNI_102216752	58	-	UNI		USB-CON (e	mbedded)		\checkmark		
Extender & Devices	19	102216753	UNI_102216753	59	-	UNI		USB-CON (s	tandalone)		\checkmark		
	20	102216754	UNI_102216754	60	-	UNI		Universal-CC	ON		\checkmark		
EXT Units	21	102216755	UNI_102216755	61	-	UNI		Cascade-CO	N				
CON Devices	22	102216756	UNI_102216756	62	-	UNI							
Usor Sottings	23	102216757	UNI_102216757	63	-	UNI							
User setungs	24	102216758	UNI_102216758	64	-	UNI							
Users & Groups	25	010229601	EXT_010229601	8	-	CON	۳						
Assignment ^	As	sign Settings to	copy Setting	s from						!	New Unit	Delete Unit	Apply <u>C</u> ancel

3. Be sure to name each EXT unit as you set them up. This will keep the configuration organized for the next step.

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<u>File Edit Device Extras ?</u>												
Open Save Reload Connect Disc 20181030112934_SWITCH_01.zip I <	onnect Sub ×	Remote Config	uration OFF Remote Se	ave Do	wnload Up	load Monitoring	Flasi	Update Dev	vice Finder System C	neck Save Status.		ihse.
View	Ext	ender & Dev	vices - EXT Units								Remote Configura	tion Mode activated
VIEW	EAU		vices - EXT Onits	,			-	_			Kelliote Collingura	
Matrix	#	ID	Name	Port	Rod A	Type	· ·	ID	102209422		CPU/CON Assig	
Grid	01	102209421		41	1.eu =			Name	USB IN			
Control	02	102209421	USBIN	42	-	UNIUSB CPU		Port	42			
Control ^	0.3	102209423	UNI 102209423	4.3	-		-	Fixed				
Euler de d'Ouilete	04	102209424	UNI 102209424	44	-	UNI		Fixed				
Presets	05	102209425	UNI 102209425	45	-	UNI		Location				
Ctatur 0 Undatan	06	102209426	UNI 102209426	46	-	UNI			I/O board:	_016		
Status & Opdates	07	102209427	UNI 102209427	47	-	UNI		Link 1	I/O board port	: 2		
Status - Matrix Firmware	08	102209428	UNI 102209428	48	-	UNI		4	Matrix port:	42		7
Status - Extender Firmware	09	102216741	UNI_102216741	49	-	UNI		Extender Ty	pe Firmware Versi	on		
Update - Extender Firmware	10	102216742	UNI_102216742	50	-	UNI						
Activate Configuration	11	102216743	UNI_102216743	51	-	UNI		Туре	UNI USB CPU	~	Standa	rd View Expert View
Miscellaneous	12	102216744	UNI_102216744	52	-	UNI			Name	Ba	sic Mod A	Mod B
System Settings	13	102216745	UNI_102216745	53	-	UNI		DVI/HDMI/V	GA (video)			
System	14	102216746	UNI_102216746	54	-	UNI		HID (keyboa	ard, mouse)			
Access	15	102216747	UNI_102216747	55	-	UNI		Analog Audi	io			
Switch	16	102216748	UNI_102216748	56	-	UNI		Digital Audio	D			
Network	17	102216751	UNI_102216751	57	-	UNI		RS232/RS4	22 (serial)			
Date and Time Matrix Grid	18	102216752	UNI_102216752	58	-	UNI		USB-CPU (e	embedded)	N	/	
Futendes 9 Devices	19	102216753	UNI_102216753	59	-	UNI		USB-CPU (s	standalone)	3	/	
Extender & Devices	20	102216754	UNI_102216754	60	-	UNI		Universal-C	PU		/	
EXT Units	21	102216755	UNI_102216755	61	-	UNI		Cascade-Cl	PU			
CON Devices	22	102216756	UNI_102216756	62	-	UNI						
CONDEVICES	23	102216757	UNI_102216757	63	-	UNI						
User Settings	24	102216758	UNI_102216758	64	-	UNI						
Users & Groups	25	010229601	EXT_010229601	8	-	CON	۳					
Assignment ^	As	sign Settings to	c Copy Setting	s from						<u>N</u> ew U	nit Delete Unit	Apply <u>C</u> ancel

4. After modifying the UNI EXT units, you'll need to create devices to allow for USB 3.0 matrix switching.

Navigate to either CPU or CON devices and click on "Create New Device". Choose to create a "real" device and use the arrow keys to assign the corresponding EXT unit to the device you created.

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View ^	Extender & Devic	es - CON Devices				Remote Configuration	Mode activated
Matrix		T In		CONA	a signal		
Port	# ID Name			CONAS	issigned		
Grid	01 03001 CON_	010229601 Nam	1e	CPU Co	onnected		
Control		Prio	rity 0 🗘	Allow C	CPU Scan		
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Charles 0 Hadatas		For	ce Login	Port Me	lode		
Status & Opuates		New Console	Trans.		dancy Off		
Status - Matrix Firmware		What typ	e of Console do you want to	create?	nce (no i	reference set)	
Update - Matrix Firmware				c	olors	❤ on ❤	
Update - Extender Firmware		• Crea	ate a real Console.				
Activate Configuration			ale a virtual Console.	040000004	ios		
Miscellaneous			lose template. 03001 CON_	_010229601	E	Extender assigned	
System Settings 🔷				OK Cancel	# ID Nam	e Port Red. Port	
System							
Access				44			
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Assignment ^	Assign Settings to	Copy Settings from			New Device	Dele'e Device	Apply <u>C</u> ancel
Virtual CPU Devices	τ						

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<u>File Edit Device Extras ?</u>																			
Open Save Reload Conne 20181030112934_SWITCH_0	ect <u>D</u> isco 01.zip S	nnect	Remote (Configuration OFF	Remote Save	Download.	Upload	Monitoring	Flash Update	Device	Finder.	Syster	n Check	. Save St	atus			ΪĻ	KVM & Beyond
View	~ 4	Exte	ender &	Devices - C	ON Devices										Re	emote	Configuratio	on Mode a	ctivated
Matrix						r													
Port		#	ID	Name		, ID		3002				CON As	signed						
Grid		01	03001	CON_010229	601	Nar	ne	CON_03	3002			CPU Cor	nected						
Control		02	03002	CON_03002		Pric	ority	C	\$			Allow CF	PU Scan						
Control	^					Virt	ual Device					Force Cl	PU Scan	n 🗆					
Extended Switch						Allo	w User AC	L				Scan Tir	ne [sec]	1	0	0			
Presets						For	ce Login					Port Mo	le						
Status & Updates	^					10	Frame					Redunda	ancy Off	r 🗆					
Status - Matrix Firmware						She	w Macro L	iet				Poforon			(no ref	aranca e	et)		
Status - Extender Firmware						0.00		ist				CDUCA			(no ren	erence s	et)		
Update - Matrix Firmware						USI	J Disabled						ors		•	✓ on	v		
Activate Configuration						Exte	nder Assig	nment CPU	J Access Cor	ntrol Fa	vorites	Macro	s						
Miscellaneous						1		Extender a	vailable						Ext	ender as	signed		
System Settings	^					ID		Name	Port	Red.	F		#	ID	Name	Port	Red. Port		
System						102	209421	USB OUT	41	-			01						*
Access						102	209422	UNI_102209	422 42	-			02						-
Switch						102	209423	UNI_102209	423 43	-		••	03						
Network						102	209424	UNI_102209	424 44	-	_	•	04						
Matrix Grid						102	209425	UNI_102209	425 45	-			05						
Extender 8 Devices						102	209426	UNI_102209	426 46	-		4	06						-
Extender & Devices						102	209427	UNI_102209	427 47	-			07						
EXT Units						102	209428	UNI_102209	428 48	-		44	80						•
CON Devices						102	216741	UNI_102216	741 49	-									
User Settings	~					102	210742	UNI_102210	742 50	-									
Lleare & Croupe						102	210743	0141_102210	143 01	-	T			Use k	(eys <+)	> and <->	> to move extende	er	
Users & Groups		Ac.	ion Cottie	ana ta	ov Cottingo fro	~								Now D	ovico	Dalat	o Dovico	Apply	Cancel
Assignment	~	ASS	agn Settir		py settings from	n								New D	evice	Defet	e Device	Арріу	Cancel
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Name each device:



5. Finally, use the "Extended Switch" menu in TeraTool to establish the Tx/Rx connection.

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<u>File Edit Device Extras ?</u>													
Open Save Reload Conr	nect <u>D</u> isc	connect	Remote Configuration OFF	Remote Save Do	wnload Upload	Monitoring	Flash Update	. Device Finder.	. System Check.	. Save Status		KVM & Beyond	
20181030112934_SWITCH_	_01.zip	Sub ×											
View	~	Cont	rol - Extended Swit	ch									
Matrix												Y	
Port			Console	I					CPU				
Grid		ID	Name		Full Acces	s		Video Ac	cess		Private Access		
Control		03001	CON_010229601										
Control	^	03002	USB OUT					~					
Extended Switch					01001 C	PU_0102296	30						
Status & Updates	~				01002 C	PU_0102296 SB IN	31						
Status - Matrix Eirmware													
Status - Extender Firmware													
Update - Matrix Firmware													
Update - Extender Firmware													
Activate Configuration Miscellaneous													
System Settings	~												
System													
Access													
Switch													
Network													
Date and Time Matrix Grid													
Extender & Devices	~												
EXT Units													
CPU Devices													
CON Devices													