

MADE IN ITALY

Art Net node to DMX/RDM converter, con 16 canali di uscita DMX optoisolati e dotati di protezione fino a 300vac contro errori di collegamento senza che siano causati guasti al dispositivo. Ogni singola uscita è isolata fino a 2500V, e 4000V rispetto l'ingresso di alimentazione. Ogni modulo Capybara Family è dotato di connettori XLR a 5 pin per la connessione del DMX, è disponibile anche la versione con RJ45-8 come optional. Questo dispositivo è dotato di 3 commutatori per impostazione ultimo valore lpv4 manualmente, mentre l'IP si assegna tramite comandi ART NET. Ogni uscita DMX è anche dotata di Led RGB che indica i vari stati operativi del singolo universe. E' possibile impostare una variante del DMX a DMX plus, dove il baud rate arriva fino a 500kbps contro i 250kbps del DMX standard, questo permette di avere almeno 60fps per universo. Un pulsante per ogni universe attiva le funzioni di autopatching e di auto show, molto utile in fase di installazione.Capybara Family è anche in grado di registrare tutti e 16 universe nella SD fino al massimo di 4Gbyte, e di richiamare le registrazioni, quindi gli show tramite comandi art net di associarli allo scheduler orario integrato e di richiamarli tramite ingressi digitali associati agli show. Quattro uscite a relè permettono di attivare eventuali dispositivi da comando ART NET, come per esempio alimentazione all'impianto controllato o altro. Aggiornamenti del firmware sono possibili tramite USB,e software di set up scaricabile da Overled.eu Capybara Family è progettato con tecnologie a microcontrollore Embedded,quindi con tempi di boot all'accensione estremamente rapidi. L' hardware estremamente affidabile è progettato per lavorare in ambienti gravosi h24 per 365 giorni anno.



Art Net node to DMX / RDM converter, with 16 DMX output channels optoisolated and equipped with protection up to 300vac against connection errors without having caused damage to the device. Each output is isolated up to 2500V, and 4000V respect to the power supply. Each DMX universe module is equipped with 5-pin XLR connectors for DMX connection, the version with RJ45-8 is also available as an option. This device has three switches for setting last IPv4 value manually, while the IP is assigned by ART NET commands. Every DMX universe is also equipped with RGB LED that indicates different states of the individual operating universe. A DMX DMX plus variant, where the baud rate is up to 500kbps 250kbps against the standard DMX, this allows to have at least 60fps universe. A pushbutton for each universe activates the autopatching features and auto show, very useful during installation. Capybara Family is also capable of recording all 16 universe in SD up to maximum of 4Gbyte, and recall records, so show through art net commands to associate them to the integrated scheduler or retrieval via digital inputs associated with the show. Four relay outputs are used to activate any command from ART NET devices, such as power to the system controlled or otherwise. Firmware upgrades are possible via USB, and set-up software on Capybara Family is designed with embedded microcontroller technology, so bootstrap at power on is very low.





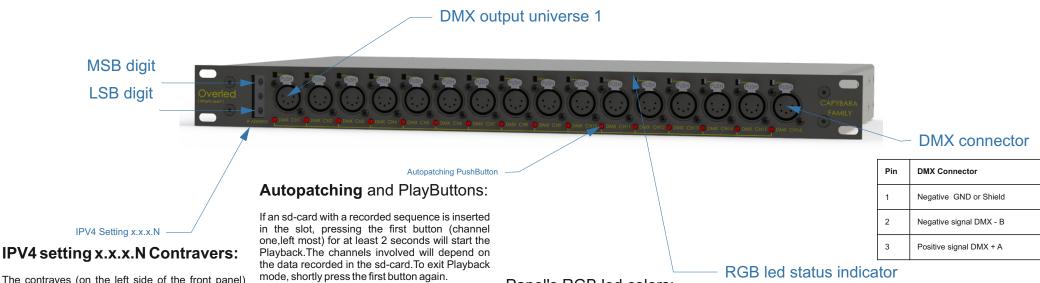
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				Min.	Тур.	Max.
nvironmental	Power supply:			12vdc	24vdc	48vdc
perating temperature: -10° to +54°C	Power consump	otion		8W	6W	4W
Storage temperature: Tst -20° to +85°	System Boot Ti	me at powe	er on	1 Sec.	1,2 Sec.	1,4 Sec.
Case temperature: Tc +65°	DMX protection	against vo	ltage input	8Vdc/ac	230Vdc/ac	300Vdc/ac
	DMX USITT512	- 33fps	250kbit		optoinsulated	
	DMX +	60 fps	500kbit		Compatible	
	Universe DMX			1		16
	Autopatching with DDS DMX Driver					
	Show Recorder	SD Memo	ry	2Gb		32Gb
	RDM 2.0				Compatible	
	Ethernet Port 10	0-100Mb				
	USB micro for fi	irmware up	load			
-	Relay output m	aximum cu	irrent @ 24vdc resistive load	300mA		600mA
	Digital input cur	rent consu	mption @ 24vdc	10mA	15mA	22mA
_	Max DMX contr	olled Devic	e per Universe recommended	1		32





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The contraves (on the left side of the front panel) allows setting the least significant byte of the device's IP address.

The remaining three most significant bytes can be programmed by ArtNet Protocol.

Example: Device's IP is 10.0.0.XXX; the upper side contraves is set on '1'; the middle contraves is set on '9'; the low side contraves is set on '2'. The resulting IPAddress will be 10.0.0.192.

When a contraves setting is changed, the RGB leds will display the corresponding binary value: a set bit is indicated by BLUE; a reset bit is indicated by a weak grey.

The new IP address is accepted when the described bitmap disappears fron the leds.

Pressing a button for at least 5 seconds enters the DMX Test mode for the associated channel. While in DMX Test mode, ArtNet data is ignored. An RGBW sequence is output instead. If an sd-card is present and the button is the first one, the playback will start first, then the channel will switch to Test mode. To exit the DMX Test mode, press the button shortly. Pressing a button for at least 10 seconds activates the AutoPatch mode for the associated channel.Addressable devices (such as DDS859) connected to the channel will autoaddress and auto-setup.When the AutoPatch procedure completes, the channel enters the DMX Test mode for 1 minute. To start DMX Test or AutoPatch on multple channel at once, press the button of the first desired channel and the button of the last desired channel simultaneously.

Panel's RGB led colors:

Flashing Light Red: Flashing Light Green: Solid Light Red: Solid Bright Red: Flashing Magenta: Flashing Cyan: Solid Blue: Solid Blue: Solid Yellow: Solid Cold White: Blink White:

No data for this Universe: internally generated DMX framerate; ArtNet data is being received and processed for this Universe; No data for this Universe, sd-card PLAY / REC in progress; The associated button is pressed; ArtNet data is being received and recorded to sd-card; Data is played back from sd-card; ArtNet data has been received and awaits to be processed in sync; DMX Test Pattern is being generated for this channel; AutoPatching in Progress on this channel; RDM packets are being received on this channel.

Boot: When the power is applie

When the power is applied, the rightmost led will show a multicolor shade. This happens while the system is booting or during firmware upgrade.

If the device stands in this condition undefinitely, the firmware is missing.





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Power supply connector max 15W 24-48vdc Pin Power supply Connector IN HURRENNE -Negative power supply GND 1 2 Positive supply 24-48vdc 15W max Input output connector SD memory card show recording USB host Ethernet for Pin Input output Connector Can BUS ART NET GND input common 1 2 +24vdc sensitive 15mA Art Net command Reading and Writing input and output Input 1 UDP packed to send thru ArtNet port in node default (default 6454), 6 bytes: 3 Input 2 +24vdc sensitive 15mA 00 MSB command len [1] 04 LSB command len [2] [3] 'JOB CAPYREMOTECONTROL' opcode D2 4 Input 3 +24vdc sensitive 15mA 'CAPY SETAUTOPATCHPARAM' subcommand 04 [4] [5] xx Bitmap valid data byte (if bit = zero, relay stay stable) Bitmap new state relay (d0 = RELAY1, d1 = REL.2, d2 = REL.3, d3 = REL.4) ΧХ 5 Input 4 +24vdc sensitive 15 mA Answer (7 bytes): 6 Output 4 relay NO max 0.6 A @ 24vdc 00 MSB command len LSB command len 7 Output 3 relay NO max 0.6A @ 24vdc [1] 05 'JOB CAPYREMOTECONTROL RESPONSE' opcode [2] D3 'CAPY_SETAUTOPATCHPARAM' subcommand 04 [3] 8 Output 2 relay NO max 0.6A @ 24vdc [4] хх Relay status (bitmap as before) [5] Input status (d0 = IN1, d1 = IN2, d2 = IN3, d3 = In4) XX Contraves Status on-board (0-9) IP setting N [6] хх 9 Output 1 relay NO max 0.6A @ 24vdc 10 Relay Common ----What's next?

ART NET node to 16 DMX/RDM universe converter









