

Main Menu	Level 1	Level 2	Choices / Values
SET UP	Basic Engine	Mode	Standard
			Shape
		Source	DMX
			Art-net
	Universe	000 - 255	
	DMX Address	001 - 491	
	Pixels Engine	Mode	Disabled
			RGB
			RGBW
		Source	DMX
			Art-net
		Universe	0 - 255
	DMX Address	001 - 495	
	Repeat on DMX	Enablement	Disabled
			Enabled on Primary
	Universe	000 - 255	
	Ethernet Interface	Control Protocol	Disabled
			Art-net on IP 2.x.x.x.
			Art-net on IP 10.x.x.x.
			DHCP
Network Safety		Disabled	
	Enabled		
Fixture ID	→	000 - 255	

Main Menu	Level 1	Level 2	Choices / Values
OPTIONS	Tilt	Invert Tilt	On / Off
		Encoder Tilt	On / Off
	Invert Pan	→	On / Off
	Led Swap	→	On / Off
	Dimmer Curve	→	Curve 1
			Curve 2
	Silent Mode	→	Standard
			Quiet
	Display	→	On / Off
	Setting	Default preset	Reset to default ...
			Go back ...
		User preset 1	Load preset 1 ...
			Save to preset 1 ...
		User preset 2	Load preset 1 ...
Save to preset 1 ...			
User preset 3		Load preset 1 ...	
		Save to preset 1 ...	
INFORMATION	Fixture Hours	Total	Hours
		Partial	Hours Reset No/Yes
	LED Hours	Total	Hours
		Partial	Hours Reset No/Yes
	System version	Shar-Bar firmware	x.x.xxx
		Boot firmware	x.x.xx
		Driver firmware	x.x.xx
		CPU SN	xxx
	Driver diagnostic	LED 1	xx
		LED 2	xx
		LED 3	xx
		LED 4	xx
		LED 5	xx
		LED 6	xx
	DMX Monitor	Basic Monitor	Channels bit / %
		Pixel Monitor	Channels bit / %
	Network parameters	IP Address	xxx.xxx.xxx.xxx
		Network Mask	xxx.xxx.xxx.xxx
		MAC Address	xxxxxxx

Main Menu	Level 1	Level 2	Choices / Values
MANUAL CONTROL	Reset	→	Yes / No
	Channel	Channel	Bit Percentage
TEST	→	→	n.a
ADVANCED	Access Code <u>1234</u>	Firmware upload	Yes
			No
		Calibration	Mirror 1 (0-255)
			Mirror 2 (0-255)
			Mirror 3 (0-255)
			Mirror 4 (0-255)
			Mirror 5 (0-255)
			Mirror 6 (0-255)
			Tilt (0-255)
Reset calibration			

SET UP MENU

For greater programming ease using the DMX control unit and Mediaserver Art-net, channel mapping is divided into BASIC ENGINE and PIXEL ENGINE (see details in Channel Function).

BASIC ENGINE - MODE

This lets you select the projector operating mode for “Basic Engine”, selecting one of the two available modes:

- **Standard** (see channel mapping in Channel Function)
- **Shape** (see channel mapping in Channel Function)

BASIC ENGINE - SOURCE

It lets you assign the input source the projector receives signals from dedicated to BASIC ENGINE. One of the two available sources can be selected:

- **DMX**
- **Art-net**

BASIC ENGINE – UNIVERSE

It lets you set “DMX Universe” for BASIC ENGINE mode to assign values between 000 and 255 to a series of projectors (This option is valid only if Source= **Art-net**)

BASIC ENGINE – DMX ADDRESS

It lets you select the address (DMX Address) for the control signal by BASIC ENGINE. A DMX address between 001 and 512 can be selected.

NOTE: Without the DMX input signal, the displayed address (DMX Address) blinks.

PIXELS ENGINE - MODE

This lets you select the projector operating mode for PIXELS ENGINE, selecting one of the three available modes:

- **Disabled**
- **RGB** (see channel mapping in Channel Function)
- **RGBW** (see channel mapping in Channel Function)

PIXELS ENGINE - SOURCE

It lets you assign the input source the projector receives signals from dedicated to PIXELS ENGINE. One of the two available sources can be selected:

- **DMX**
- **Art-net**

PIXELS ENGINE – UNIVERSE

It lets you set “DMX Universe” for PIXELS ENGINE mode to assign values between 000 and 255 to a series of projectors (This option is valid only if Source= **Art-net**)

PIXELS ENGINE – DMX ADDRESS

DMX Address

It lets you select the address (DMX Address) for the control signal by PIXELS ENGINE. A DMX address between 001 and 512 can be selected.

REPEAT ON DMX – ENABLEMENT

It lets you enable/disable the transmission of the Ethernet protocol by DMX signal to all the connected projectors.

- **Disabled:** DMX transmission disabled.
- **Enabled on primary:** DMX transmission enabled.

REPEAT ON DMX – UNIVERSE

It lets you set the “DMX Universe” to assign values between 0 and 255 to a series of projectors. In this case it refers to an Art-net input not read by the projector and re-transmitted to other projectors.

ETHERNET INTERFACE – CONTROL PROTOCOL

It lets you select the Art-net “Control Protocol” to be assigned according to the control unit used. The following options are available:

- **Disabled**
- **Art-net on IP 2.x.x.x**
- **Art-net on IP 10.x.x.x**
- **DHCP:** IP addresses assigned by DHCP server.

If the Control Protocol option is set on Disabled, when an IP address (IP2, IP10 or DHCP) is selected, the projector immediately initializes the IP address that was just selected.

If the Control Protocol option is enabled (IP2, IP10 or DHCP) and a new one is selected that is different from the previous one, the projector must be restarted so that it will be correctly initialized.

ETHERNET INTERFACE – NETWORK SAFETY

Use to turn the **Network Safety** function **Enabled** or **Disabled**.

When the **Network Safety** function is on, if projectors are connected via Ethernet cable in "daisy chain", the CPU is battery powered and the Artnet signal is not interrupted but propagated when a projector is off.

FIXTURE ID

It lets you set the “Fixture ID” to be assigned to the projector. An “ID” between 000 and 255 can be assigned.

OPTIONS MENU

TILT – INVERT TILT

Use to switch the Tilt inversion movement (ON) or (OFF).

TILT – ENCODER TILT

Use to switch the restore Tilt position through encoder (ON) or (OFF) if steps are lost accidentally.

INVERT PAN

Use to switch the Pan inversion movement (ON) or (OFF) of all the mirrors.

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LED SWAP

It allows you to enable (ON) or disable (OFF) the reversal of the direction of the LEDs.

DIMMER CURVE

It allows the selection of one of the following two Dimmer curves:

- Curve 1
- Curve 2

SILENT MODE

Allows you to set the preferred mode of the 2 available:

- **Standard:** Maximum speed and thus maximum noise effects.
- **Quiet:** It handles the speed of some effects (Tilt, Zoom), reducing the noise level.

DISPLAY

Turning function "On" turns off display backlight after 60 seconds of disuse. Press any key to turn back on. Select "Off" to disable this option.

SETTING

Used to save 3 different settings of the items in the option menu and relevant submenus.

- Default preset (*)
- User preset 1
- User preset 2
- User Preset 3

- Load preset 'X' is used to recall a previously stored configuration.
- Save to preset 'X' is used to save the current configuration.

(*) DEFAULT PRESET

It lets you restore default values on all option menu items and relevant submenus.

Press the left and right arrows/keys simultaneously in the "main menu" to quickly restore default values (DEFAULT PRESET).

INFORMATION MENU

FIXTURE HOURS

Use to view total projector operating hours from manufacture to date (**Total Hours**) or operating hours since the last user reset (**Partial Hours**).

To reset **Partial Hours**, press Enter till “**Are you sure?**” appears; then select “**Yes**” to reset.

LED HOURS

Use to view total LED operating hours from manufacture to date (**Total Hours**) or operating hours since the last user reset (**Partial Hours**).

To reset **Partial Hours**, press Enter till “**Are you sure?**” appears; then select “**Yes**” to reset.

SYSTEM VERSION

Use to view the firmware versions loaded in the Shar-Bar:

- **Shar-Bar firmware** (appliance firmware)
- **Boot firmware** (safety software)
- **Driver Firmware** (driver firmware)
- **CPU SN** (CPU serial number)

DRIVER DIAGNOSTIC

Use to view real-time LED working temperature of each 6 Leds.

DMX MONITOR

Use to view the DMX input level in bits for each projector channel (value between 0 and 255 bits).

NETWORK PARAMETERS

Allows the “**Network**” parameters of the projector to be displayed or:

- **IP Address:** Internet Protocol address (2 projectors must not have the same IP address)
- **Network Mask:** 255.0.0.0.
- **MAC address:** Media Access Control (projector’s Ethernet Address).

MANUAL CONTROL MENU

RESET

Use to reset the projector with any problems.

CHANNEL

Use to set a projector control panel channel level to manually control each effect without the need of a DMX input signal (values between 0 and 255 bits).

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ADVANCED MENU

Enter access code 1234 to access the Advanced menu (only recommended for expert users).

FIRMWARE UPLOADER

Use to transfer software from one projector to all the others connected to it.

CALIBRATION

It lets you make small mechanical adjustments on some effects to perfectly align projectors from the control panel.

Reset Calibration

It lets you restore default "Calibration" values (128 bit) on all channels.