Wild Bar 16

User Manual

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GLP® Wild Bar 16 User Manual

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1. Safety

Key to symbols

The following symbols are used in the product's user documentation:

	**Warning!** Safety hazard. Risk of severe injury or death.		**Warning!** Hazardous voltage. Risk of lethal or severe electric shock.
	**Warning!** See user documentation for important safety information.		**Warning!** Fire hazard.
	**Warning!** Risk of eye injury.		**Warning!** Hot surface. Risk of burn injury.

Warning! Read the Wild Bar 16 Quick Start and Safety Manual supplied with the fixture and available for download from www.glp.de before installing, operating or servicing the fixture. The Quick Start and Safety Manual contains important information for the safe use of Wild Bar 16 fixtures. If you fail to read that information you may create a safety hazard with a risk of serious or lethal injury or damage.

If you have any doubts or questions about how to use the GLP® Wild Bar 16 lighting fixture safely, contact your GLP supplier for assistance. Your GLP supplier will be happy to help.

The user documentation for Wild Bar 16 fixtures consists of three documents:

- The **Wild Bar 16 Quick Start and Safety Manual**, supplied with fixtures and available for download from www.glp.de. The Quick Start and Safety Manual contains important safety information and installation instructions that the installer and user must read. It also contains dimensions drawings and technical specifications for the fixture.
- The **Wild Bar 16 User Manual**, this document, explains features and control of Wild Bar 16 fixtures.
- The **Wild Bar 16 DMX Channel Index**, available for download from www.glp.de. The Channel Index is a separate document containing the DMX control channel layout and DMX commands available in the fixture.

The Wild Bar 16 is intended for use by experienced professionals with the knowledge and skills to set up, operate, and maintain high-powered, remotely controlled lighting equipment safely and efficiently. These operations require expertise that may not be provided in this manual.

- Respect all warnings and directions given in the fixture's user documentation and on the fixture. Read the fixture's Quick Start and Safety Manual and familiarize yourself with the safety precautions that it contains. GLP and affiliated companies will take no responsibility for damage or injury resulting from disregard for the information in the user documentation.
- Check the GLP website at www.glp.de and make sure that you have the latest versions of the fixture's Quick Start and Safety Manual and this user manual.
- Check the fixture software version indicated on page 2 of this user manual and then use the fixture's control panel to check the version installed in the fixture. If the versions are not the same, the user manual may still cover the fixture, because software updates do not always affect the use of the fixture. However, it is possible that this manual does not match the fixture perfectly. Software release notes can help clarify this question. You can consult software release notes and download the correct version of this user manual on the GLP website if necessary.
- Make both the Quick Start and Safety Manual and this user manual available to all persons who will install, operate or service the fixture. Save both documents for future reference.
- If you have any questions about the safe operation of the fixture, please contact an authorized GLP distributor (see list of distributors at www.glp.de).

GLP Service and Support

Contact information for the nearest GLP Service and Support is available online at www.glp.de/en/service, by email at info@glp.de, or by telephone at the following numbers:

- GLP Germany: +49 (7248) 927 1955
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Avoiding damage to the fixture

The Quick Start and Safety Manual contains important information that is intended to help you avoid possible damage to the fixture from other light sources, during transportation, etc. Read that information before storing, transporting or using the fixture.

2. Wild Bar 16 overview

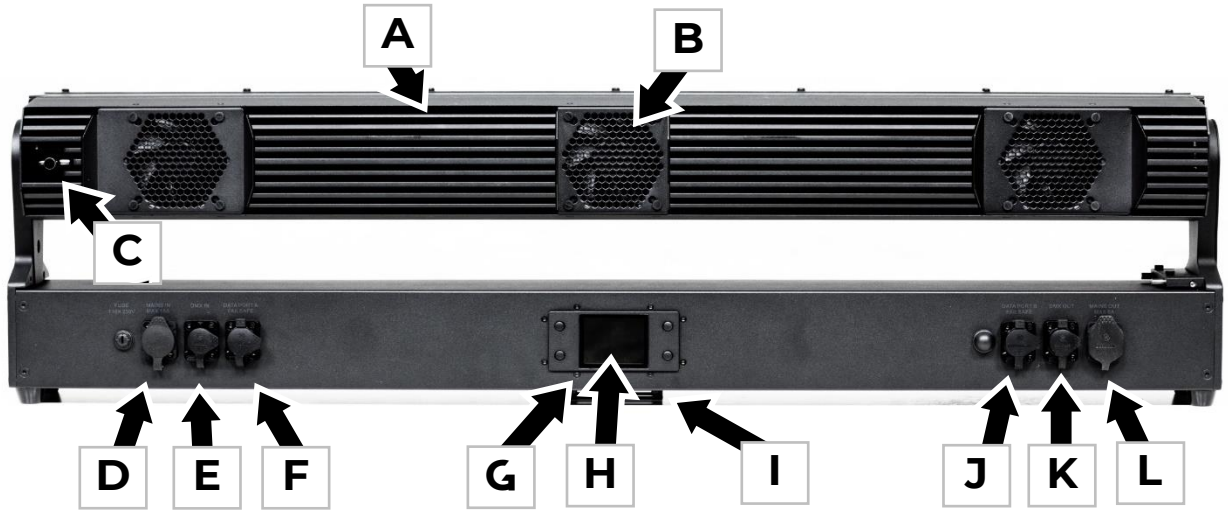

Figure 1. Wild Bar 16 overview

A - Head
B - Air vent (x 3)
C - Tilt Lock
D - AC mains power IN (powerCON TRUE1 TOP)
E - DMX IN (5-pin XLR)
F - etherCON port A ethernet connection, fail-safe
G - NFC Sensor (behind display)
H - Control panel with backlit display
I - Safety cable attachment points – on base
J - etherCON port B ethernet connection, fail-safe
K - DMX THRU/OUT (5-pin XLR)
L - AC mains power THRU (powerCON TRUE1 TOP)

3. Features

With the Wild Bar 16, GLP presents a powerful and versatile LED tilt bar designed for use in demanding environments and outdoor events. As a leading manufacturer of innovative lighting technology with decades of experience in moving LED bars, GLP sets new standards in performance, flexibility, and efficiency with the Wild Bar 16.

Equipped with 16 powerful 40-watt RGBL LEDs, the Wild Bar 16 delivers an impressive light output of 6,000 lumens. Its motorized 190° tilt and variable zoom from 3.9° to 51° allow for an exceptional range of lighting effects – from sharp beams to broad washes.

Thanks to its IP65 certification, the Wild Bar 16 withstands rain, dust, and dirt, making it perfect for festivals, open-air concerts, and other demanding environments. Despite its robust construction, it remains surprisingly lightweight at just 22.6 kg, ensuring easy handling.

Control options

The Wild Bar 16 supports DMX, RDM, ArtNet, sACN, and the GLP iQ.Mesh system.

There are 2 control modes:

Mode 1: Overall control of all pixels as a block, with pattern engine.

Mode 2: Overall control of all pixels as a block, with pattern engine, and also individual pixel control. In Mode 2 the pixel engine can be patched separately from the main fixture for media server pixel control.

Main and Sub modules (Main and Sub fixtures)

Control mode 2 divides the fixture into two modules (Main module and Sub modules).

- Main module (Layer 1 = one RGB(L) Wash fixture)
- Sub module (Layer 2 = pattern engine with individual pixel control).

The Sub module has its own intensity and shutter channels. Professional controllers will handle this setup in a smart multi-fixture profile.

The **Protocol Setup→Pattern→Main Link** setting and the **Protocol Setup→Separate Patch Pixel Engine→Main Link** setting lets you decide whether the Sub module should be subordinate to or independent of the Main module for the Pattern Engine and the PIxel Engine respectively. The settings are:

- *Normal:* all Sub Fixture Channels (Sub Modules) are subordinate to the Main Fixture channels. This means that the intensity and shutter of the Main Module act as Master intensity and Master shutter for the Sub Modules.
- *Independent*: the Sub Modules can be controlled independently of the Main Module and are not affected by the intensity and shutter of the main module.

Powering on

When power is applied to the fixture and no valid DMX signal is present, the head moves automatically to its home position (tilt center). You can set different device functions when there is no control signal using the option **Fixture Settings→No Signal**.

Dimmer

The electronic dimming effect provides smooth 16-bit dimming of the Main module and Sub modules. The following three dimming curves are available:

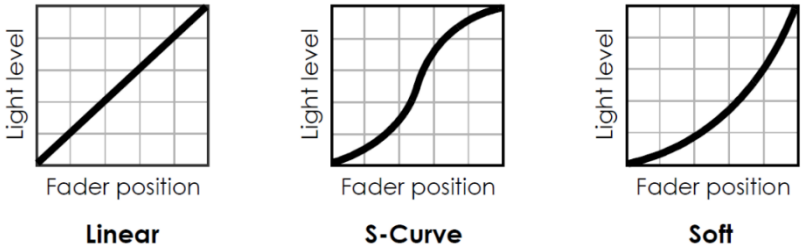

Figure 2. Dimming curves

Linear setting gives a dimming curve that the eye perceives as linear.

Square (Soft) setting gives finer control at lower light levels, where the eye is most sensitive to changes in light intensity, and coarser control at higher light levels.

S-Curve setting gives finer control at lower light levels and at higher light levels, with coarser control at medium light levels.

Tilt

The Wild Bar 16 has motorized tilt movement with coarse and fine control channels.

With the fixture standing on the ground, increasing the tilt DMX value moves the head towards the front from its home position.

Zoom

The Wild Bar 16 has motorized zoom control that lets you vary the beam angle from spot to flood as the DMX value increases.

Color mixing

The fixture's Main module features 16-bit color mixing with RGB or RGBL control options, selected using the option **Fixture Settings→Color Mix Mode**. The Color Mix mode of the Sub module(s) is always RGB.

RGB Mode: Mixes color of the main and sub module(s) using Red, Green and Blue channels. The Lime LED is mixed automatically using the fixture's internal GLP iQ.Gamut algorithm.

RGBL Mode: Mixes color of the main module using Red, Green, Blue and Lime channels.

iQ.Gamut

iQ.Gamut is a new LED calibration technology from GLP that defines the color gamut for the color mix channels. You can select one of a range of calibrated iQ.Gamuts for the fixture to work within. This feature can be useful if you want to reproduce correct colors or avoid TV camera clipping. Set using the option **Fixture Settings→iQ.Gamut**.

White Point

The white point is the output color when all color control channels are at 100%. You can set this to a Kelvin color temperature using the option **Fixture Settings→White Point**.

Tungsten effect

This control channel lets you set various tungsten lamp simulations.

The first part of the Tungsten channel offers standard tungsten features with fixed color temperature, red shift and fade time. The color temperature as well as the color shift and inertia of the selected light source are fully simulated.

The second part of the Tungsten channel lets you apply one of the corresponding tungsten effects (inertia and intensity) to the current output.

Note: The Tungsten simulation channel affects the entire fixture. Setting the Tungsten channel to a specific value will affect the output of the Main module and Sub module.

Shutter

The fixture's shutter channel offers continuous blackout, continuous open and a range of intensity effects.

Depending on the selected Sub Module Mode, the shutter channel of the Main module channel group acts as either a master shutter or as the shutter channel of the Main module independently of the Sub module.

The following shutter effects are available:

- **Single flash** performs exactly one single flash with each value change within this DMX value slot.
- **Pulse** dims up and down smoothly with the same fade-in and fade-out times. Speed can be adjusted from slow to fast.
- **Pulse open** fades in and then snaps to blackout. Speed can be adjusted from slow to fast.
- **Pulse close** fades out and then snaps to full. Speed can be adjusted from slow to fast.
- **Strobe double flash** provides a quick double flash. Speed can be adjusted from slow to fast.

- **Strobe pixel random** (only available when the fixture is set to a DMX mode with individual pixel control) strobes individual pixels at random to give a kind of sparkling effect. Speed can be adjusted from slow to fast.
- **Strobe random** strobes all of one fixture's pixels together at random intervals, allowing a random strobe between multiple fixtures. Speed can be adjusted from slow to fast. *Note that the random effect across multiple fixtures really is random!*
- **Strobe** strobes all of one fixture's pixels together and also perfectly synchronizes the strobe in multiple fixtures so that all the fixtures flash at exactly the same time. Speed can be adjusted from slow to fast.

Note: If the Main Link setting is set to Normal, the dimmer and shutter channels of the Main module will act as master controls for the Sub Fixtures .

Pattern Engine

The Wild Bar 16 offers a wide range of static and dynamic pre-programmed FX patterns on the Sub modules. The Sub module color control channels define the color of the pattern effects.

A static pattern is a fixed pattern with only one pattern step. This allows you a very quick selection of a non-dynamic effect. It has active and inactive pixels. Each active pixel shows the selected pattern color while each inactive pixel is fully transparent.

A dynamic pattern is a sequence of multiple pattern steps and has active and inactive pixels. Each active pixel shows the selected pattern color while each inactive pixel is fully transparent. You can set pattern steps to automatically change continuously (Pattern Speed) or you can directly select pattern steps (Pattern Index).

Pattern selection

The pattern selection channel offers a choice of 59 static patterns, 50 dynamic patterns and 11 special patterns. The dynamic patterns offer multiple pattern steps for individual step selection or continuous pattern step chasers.

Pattern 0 (DMX 000) is the idle pattern and just sets all pixels to active.

The Random Pixel FX pattern at the end of the Pattern Select channel randomly selects pixels to create an attractive sparkle effect.

Pattern speed/index

As a dynamic pattern is a sequence of multiple pattern steps, you can select either:

- an automatic clockwise or counterclockwise continuous run-through of the pattern steps with different speeds (dynamic speed control = DMX values 002 ... 127), or
- one of the available specific pattern steps (static indexing = DMX values 128 ... 255).

Note: Bear in mind that different patterns can have a different number of pattern steps. This can affect synchronization between fixtures, for example, if you run different patterns in multiple fixtures.

Pattern step crossfading

The Pattern Step Crossfading channel lets you choose how one step in a pattern should change into the next step. This change can be a snap, a normal crossfade or a fade with tail (quick fade in and variable long fade out).

Pattern transition

The Pattern Transition channel lets you choose how Pattern A should change into Pattern B. This change can be a snap, a soft crossfade, a Fade Over Blackout (FOB) or Fade Over Full (FOF).

Special/Control DMX channel

The Special/Control DMX channel lets you change fixture settings and perform a fixture reset from the control desk (a possibility that can be very useful during a show or for a specific scene). To apply a command on the Special/Control channel, you must hold the command for the time indicated in the DMX channel index section at the end of this user manual.

To trigger a reset using the Special/Control channel, you must send the DMX value for this function for 3 seconds. If you want to trigger an additional reset using the Special/Control channel, you must first move away from the Reset DMX value and then return to this value. This requirement to change DMX values eliminates the risk of the fixture entering an unwanted Reset loop if it is patched wrongly.

Note: Most of the fixture settings available in the fixture's control menus or on the Special/Control DMX channel are also available via RDM.

Fan modes

Lets you give priority to lowest fan noise or most powerful cooling. In all modes, if the fixture gets too hot, light intensity will be reduced to control temperature. Light output will be shut down if a dangerous temperature is reached.

Regulated mode gives priority to light output and only operates fans as necessary.

High mode sets the fixture to give maximum light output and suits operation in high ambient temperatures. Fans are set to constant operation at high speed.

Medium mode sets fans to constant operation at medium speed. Light output intensity is slightly reduced.

Low mode sets fans to constant operation at low speed and is optimized for minimum noise. Light output intensity is reduced.

Off sets the fixture to disable all fans which are not essential to cool important components. Essential fans will rotate as slowly as possible to reduce the noise level to a minimum. Light output intensity is reduced.

PWM frequency

You can select different LED PWM frequencies to avoid flicker on cameras. Higher PWM frequencies reduce the dimming resolution.

No signal

Sets how the fixture behaves when no DMX signal is present:

Blackout sets the fixture to black out whenever it is not receiving a DMX signal.

Hold sets the fixture to continue using the last DMX values it received.

House Light sets the fixture to 80% output, useful for rigging or end-of-show.

Scene sets the fixture to play its stored stand-alone scene. You can use this setting to make the fixture operate by itself at power-on. To store the scene use the **Capture DMX Values** option. You can also set Manual DMX settings from the menu and store those.

Display Mode

Gives different behavior options for the display in the fixture's control panel. This can be helpful in case of errors or during service operations.

Auto (default): the display automatically switches off after a few seconds if the fixture is receiving a valid control signal and has not detected an error. If the fixture is not receiving a valid control signal, the display will flash. If the fixture has detected an error, the display remains constantly on and shows the error.

On: The display stays on constantly. This setting can be useful if you are configuring or servicing the fixture.

Off: The display will automatically switch off after a few seconds even if the fixture is not receiving a valid control signal or if it has detected an error. Pressing any button turns on the display again.

User Presets

Lets you store and reload different custom fixture configurations or return the fixture to the default fixture settings. You can store 3 different user presets.

To save the current settings, use **Service → Advanced → Save Settings**.

To reload one of the presets, use **Fixture Settings → Load User Settings.**

To reset to default settings, use **Fixture Settings → Setting Defaults**

User presets do not affect DMX Address, Control Mode, Protocol Type, IP Settings, etc. This helps avoid loss of communication with the controller.

4. Control panel

Warning! DMX control is disabled when the control menus are active. Be prepared for the head to move as soon as you exit the control menus.

The control panel and backlit graphic LCD display with self-charging battery allow you to change fixture settings, view readouts and use utilities quickly and intuitively, even when the fixture is disconnected from power.

To allow comfortable use of the control panel, tilt is automatically disabled for a few seconds if you press any button on the control panel. Tilt remains disabled for as long you are working in the control panel. If no button is pressed for a few seconds, head movement is re-enabled with tilt correction applied.

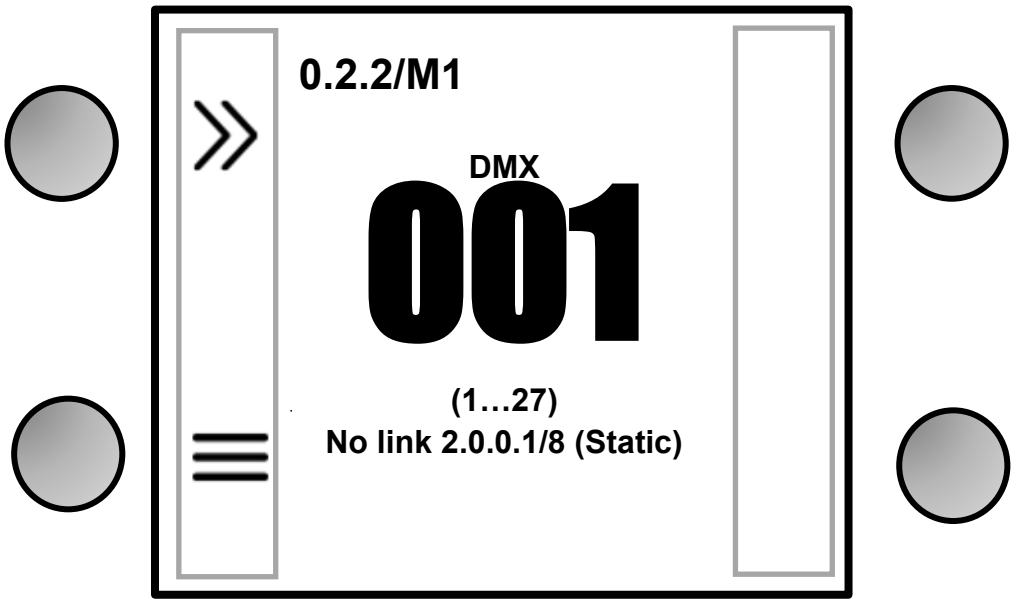

Figure 3. Default information screen

Default information screen

When power is applied, the fixture performs a reset. After the reset has completed, the default information screen appears in the control panel display on the side of the yoke.

At any other time, you can press any key to unlock the control panel. Doing this also calls up the default information screen in the control panel display.

See Figure 3. The top line of the default information screen consists of, from left to right:

- Main CPU firmware version
- DMX Mode

The center of the screen shows the following information:

- Signal source.
- Fixture's current DMX address in large characters. If the fixture's self-diagnosis system detects an error, the fixture will flash an error message alternately with the DMX address. This lets you see the DMX address and error message at a distance from the fixture.
- If the fixture detects a valid, active network at one of the fixture's etherCON ports, the default screen will show a network icon to the left or right of the DMX address:
  - Icon on left = data at Port A (on left of fixture when facing control panel)
  - Icon on right = data at Port B (on right of fixture when facing control panel)

  The fixture displays network speed below the network icon.

  If the fixture does not detect a network at one of the ports, it displays NO LINK instead of the network icon for that port.
- Below the current DMX address, the fixture displays in smaller characters the DMX channels that the fixture is currently using.

In the example shown in Figure 3:

- The fixture is running CPU software version 0.2.2
- The fixture is set to DMX Mode 1
- The fixture is set to receive data via ArtNet
- The fixture's DMX start address is 001
- The fixture is using DMX channels 1 to 27.

Using the control panel

The four control panel buttons around the display have the following functions indicated by icons next to them on the display.

In the main screen:

QUICK MENU – Activates the Quick Menu

UP/DOWN – Press three times to open the live diagnostic tool

MENU – Activates the control panel if it is in sleep mode, then opens the main menu

When navigating through the menus:

 BACK – Goes back one level towards the top of the menu

 UP – Scrolls up or increments a number

 DOWN – Scrolls down or decreases a number

 ENTER – Confirms a setting or implements a command

At any time:

 UP and DOWN at the same time – Temporarily rotates the display 180°

Control button shortcuts

Live Diagnostics

Pressing UP or DOWN three times calls up an overview of all main fixture information, signal quality and settings. This can be useful if you are troubleshooting or if you are in contact with GLP Service.

Toggle Display Orientation

Pressing and releasing UP and DOWN together rotates the display through 180°.

*Note: If Display Orientation is set to **Auto**, changing the display orientation by pressing UP and DOWN at the same time will only change the display orientation until the next power cycle. To change the display orientation permanently, go to **Fixture Settings → Display Orientation** in the control panel menus.*

Error Messages

If the fixture detects an error, it displays an error message in the display. The Error is 'sticky' and will continue to be shown in the display until the next power cycle or reset. To get details of the error message, follow the information in the display. These details are important if you talk to GLP service.

- Pressing ✕ ignores the error message and exits the error display.
- Pressing ✓ shows information about the error.

Note: Make a note of any error message displayed. You may need these details for error diagnosis. Please be ready to give them to GLP Service if necessary.

Certain critical error messages are permanently stored in the display. In this case, please contact your GLP service agent.

When restarting the fixture or sending a RESET command, the fixture performs an initialization process to test all functions and sensors. The fixture also continuously checks itself for correct operation.

Loss of DMX signal

The display flashes if the DMX signal is lost (the fixture will then behave according to its No Signal setting – see 'No signal' on page 11).

Service and maintenance

See the separate *Wild Bar 16 Quick Start and Safety Manual* supplied with the fixture and available for download from www.glp.de for information on service and maintenance.

5. Control menu structure

Quick menu

The control panel's Quick Menu gives you quick access to the most frequently used commands. To open the Quick Menu, press the left-hand control button » marked when the display is showing the default information screen.

The Quick Menu contains the following items:

Menus			***Notes***
Reset All			*Resets the entire fixture (takes a few seconds).*
Live Diagnostic			*Calls up overview of all main fixture information, signal quality and settings.*
iQ.Service Connect	>>>Connect<<<		*Enables connectivity to the GLP iQ.Service App for 5 minutes.*
Load User Settings	User Setting 1	>>>Confirm<<<	*Loads custom user settings*
	User Setting 2	>>>Confirm<<<	
	User Setting 3	>>>Confirm<<<	
	Setting Defaults	>>>Confirm<<<	*Returns fixture to default settings (not including DMX address, protocol type, Ethernet / CRMX configuration, user offsets, user presets and counters).*
Load Factory Defaults (!)	*Displays Message: Fixture may lose connection to controller* >>>Confirm<<<		*Restores all factory default settings (including DMX address, protocol type, Ethernet / CRMX configuration, user offsets and user presets).* ***Important! The fixture may lose contact with the controller!***

Main menu

The following menus and commands are available in the Wild Bar 16 control panel.

Menus			***Notes***
DMX Address			
001-512			*Set fixture's DMX start address. Highest possible address depends on control mode.*
Control Mode			
M1 Basic			*Set fixture's DMX control mode.*
M2 Normal			
Protocol Setup			
Data In	**DMX**		*Control via DMX protocol*
	Art-Net		*Control via Art-Net*
	sACN		*Control via sACN*
	iQ.Mesh		*Control via iQ.Mesh*
	CRMX		*Control via CRMX*
Data Out	**Standard**		*No incoming data is converted*
	DMX (XLR)		*Incoming data will be output from the DMX XLRs*
Ethernet Config	Addressing Mode	Auto 2.x.x.x	Auto Addressing in the range 2.x.x.x
		Auto 10.x.x.x	Auto Addressing in the range 10.x.x.x
		DHCP	Get IP address by DHCP
		Custom IP	Use Custom IP Address
	Custom IP Address	000.000.000.000	
	Custom IP Subnet	000.000.000.000	
	ArtNet Port	**0**..32768	
	sACN Universe	**1.**.63999	
Linking Options	iQ.Mesh	Link	
		Unlink	
Pattern	Main link	**Normal**	Pattern Output depends on Dimmer and Shutter of the main fixture.
		Independent	Pattern Output not affected by main fixture Dimmer and Shutter
Separate patch Pixels Engine	ON/OFF	Disabled	Only in Mode2 - if disabled the pixel control patch follows main controls
		Enabled	Patch the pixels to another universe/source, pixels are always RGB
	Main link	Normal	Pixel RGB depend on Dimmer and Shutter of main fixture
		Independent	Pixel RGB not affected by main fixture Dimmer and Shutter

Menus			***Notes***
	Protocol	DMX	If Separate patch Enabled
		Artnet	
		sACN	
	DMX Address	001..512	
	ArtNet Port	0..32768	
	sACN Universe	1..63999	
Fixture Settings			
Color Mix Mode	**RGB**		*Direct RGB control, Lime added automatically*
	RGBL		*Direct RGBL control*
White Point	8000 K		*Set fixture white point when RGB is at 100% (RGB Color Mix Mode only)*
	6500 K		
	5600 K		
	4200 K		
	3200 K		
iQ.Gamut	**FULL**		*Maximum color gamut*
	Rec.709		*Color space defined to Rec.709 Gamut (RGB Color Mix Mode only)*
	Rec.2020		*Color space defined to Rec.2020 Gamut (RGB Color Mix Mode only)*
Dimmer Curve	Linear		*Linear dimming curve*
	Soft		*Soft (square law) dimming curve*
	S-Curve		*Finer dimming control at low and high intensity*
Power Mode	**Dynamic**		*Power automatically allocated for dynamic performance*
	Balanced		*Power allocated to wash in fixed ratio (Matches XDC1 IP Hybrid)*
Fan Mode	**Regulated**		*Fan speed temperature-regulated*
	High		*Fan speed constant high*
	Medium		*Fan speed constant medium*
	Low		*Fan speed constant low*
	Off		*All fans off or at minimum speed*
PWM Frequency	**Optimal (O)**		*Optimum dynamic frequency for best performance*
	High 1 (H1)		*Fixed frequency 1*
	High 2 (H2)		*Fixed frequency 2*
	Max (M)		*Highest possible fixed Frequency*
Pixel Mirror	**Off**		*Normal pixel layout*
	Mirrored		*Left-right flip*

Menus			***Notes***
No Signal	Blackout		*Fixture blacks out if no DMX signal received*
	Hold		*Fixture continues to display current effect if no DMX signal received*
	Houselight		*Fixture continuously on at 80%*
	Scene		*Plays the stored captured scene (see next menu item) if no DMX signal received*
	Capture DMX Values	*>>>Confirm<<<*	*Captures current scene and stores it for use in **No Signal Mode → Scene***
Position Feedback	Off		*Enable or disable the tilt position correction function*
	On		
Display Mode	**Auto**		*Display dims after a short period of inactivity if no errors and valid DMX signal*
	On		*Display constantly on*
	Off		*Display dims even if there are errors / no DMX signal*
Display Orientation	**Auto**		*Display automatically inverts to match installation position*
	Normal		*Display normal (for use when fixture is standing)*
	Flip		*Display inverted (for use when fixture is flown head-down)*
Hibernation	ON		*Fixture enters energy saving mode, all electronics except DMX receiver are disabled. Cycling power off and on exits hibernation.*
Load User Settings	User Setting 1	>>> Confirm<<<	*Apply a user preset to fixture settings*
	User Setting 2	>>> Confirm<<<	
	User Setting 3	>>> Confirm<<<	
	Setting Defaults	>>> Confirm<<<	*Return fixture to default settings (not including DMX address, protocol type, Ethernet / CRMX configuration, user offsets, user presets and counters)*
Information			
Live diagnostic			*Shows overview of fixture information*
Show errorlist			*Shows any stored errors*
Show Serial Number			
Show SW version			
Show device info			
Show device hours			
Device power cycles			
Show DMX Input			

Menus			***Notes***
Show Signal Quality			
Show Temperature			
Show Fan Monitor			
Manual Control			
Reset All			*Reset all effects*
Manual DMX ***Warning! Fixture will start moving*** Press **Enter**	Tilt	001 - **128** - 255	*Manually control all effects*
	Intensity	000 - **255**	
	... *Scroll through all effects* ...		
	Blue - All Pixel	000 - **255**	
	Lime - All Pixel	000 - **255**	
	Load No-Signal scene	Confirm	
	Save as No Signal scene	Confirm	
	Reset Manual Values	Confirm for 3 seconds *(press Enter)*	*Reset all manually entered DMX values to zero*
Service			
Live diagnostic			*Shows overview of fixture information*
iQ.Service Connect	>>> Connect <<<		*Enables connectivity to the GLP iQ.Service app.*
Tests	Test All		*Run test sequence of all effects including tilt. Stop with BACK.*
	Test Fan		*Manually test fans one by one*

Advanced *(Press and hold for 3 secs.)*	Service Mode	**OFF**		*Normal operation*
		ON		*Disable tilt and display timeouts (exit by cycling power off and on.)*
	Job offsets	Tilt Zoom		*Create custom job offsets in home positions of all effects. Default offset = **0** Note: This function is not fixture calibration!*
	Reset counters	Lamp Hours	Confirm 2 seconds	*Reset to zero*
		Service Timer	Confirm 2 seconds	
		Air filter	Confirm 2 seconds	
	Save User Settings	User Setting Preset 1	Confirm 2 seconds	*Saves current fixture settings as user settings preset*
		User Setting Preset 2	Confirm 2 seconds	
		User Setting Preset 3	Confirm 2 seconds	
	Firmware push (Fixture2fixture)	>>> Confirm <<<		*Push fixture's firmware to all other fixtures of the same type over the DMX link*
Load factory defaults				
>>>Confirm<<<				*Reloads all factory default settings and default fixture configuration settings. **Important! Controller may lose connection to fixture!***

*Default settings are written in **BOLD type***


GLP