

Omnibar

Omnibar and Omnibase

USER MANUAL

April 2026 • 1.0 • English

L5.0052599



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Before using the product, be sure to read and understand all respective instructions.

The product is available for commercial customers only.

For product specification changes since this document was published, refer to the latest publications of ARRI data sheets or data books, etc., for the most up-to-date specifications.

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Document Revision History

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Version	Release	Date	Note
1.0		April 2026	First released version

Imprint

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Original version.

Initial Language

The initial language of this user manual is English. User manuals in other languages are translations from English.

In the event of conflict between the respective languages (i.e. if any translation(s) of present document has/have been prepared for convenience or any other purpose), with regards to the meaning or interpretation of a word or an instruction etc., the contents and provisions of the English language version shall prevail.

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1 About this Document

This user manual contains detailed information about the features and functionalities of the device. Please visit the website www.arri.com to download the operating manual and much more information about this and other ARRI products.

The separate operating manual is aimed at everyone involved in using the device. It provides directions on how to operate it safely and as intended. To ensure safe and correct use, all users must read the operating manual before using the device for the first time.

Keep all manuals and all other operating and assembly instructions belonging to the device in a safe place for future reference and possible subsequent owners

For useful information in addition to these manuals please have a look at the [ARRI learn & help](#) section on the [ARRI website](#).

The ARRI Academy courses provide unrivalled insights into the full possibilities of working with ARRI camera systems, lenses, lighting systems and accessories.

Our advanced service training courses are designed to transfer detailed knowledge about how to service and repair all types of ARRI products and give you permanent access to detailed service instructions, special tools and service parts. To learn more, please visit [ARRI academy](#) or contact academy@arri.de.

How to Use This Manual

All directions are given from an operators point of view. For example, device right side refers to the right side of the device when standing behind the device and operating it in a normal fashion.

Connectors are written in all capital letters, for example "USB connector".

Buttons are written in italic typeface capital letters, for example "*PLAY button*".

Menu paths are written in italic typeface, with menu and home in capital letters, for example "*MENU > Display Orientation > Normal*".

1.1 Product Information Resources

The ARRI documentation portal provides important documents on the product for free download.

Please use the following search keys in the search bar to retrieve the documents for the product:

Omnibar, L1.0052542, L1.0052543, L1.0052544, L1.0052545

Omnibase, L2.0052531

[ARRI documentation portal](#)



For more information about the product, please refer to the ARRI website at:

[ARRI Omnibar product page](#)



2 Product Overview

2.1 Rear View

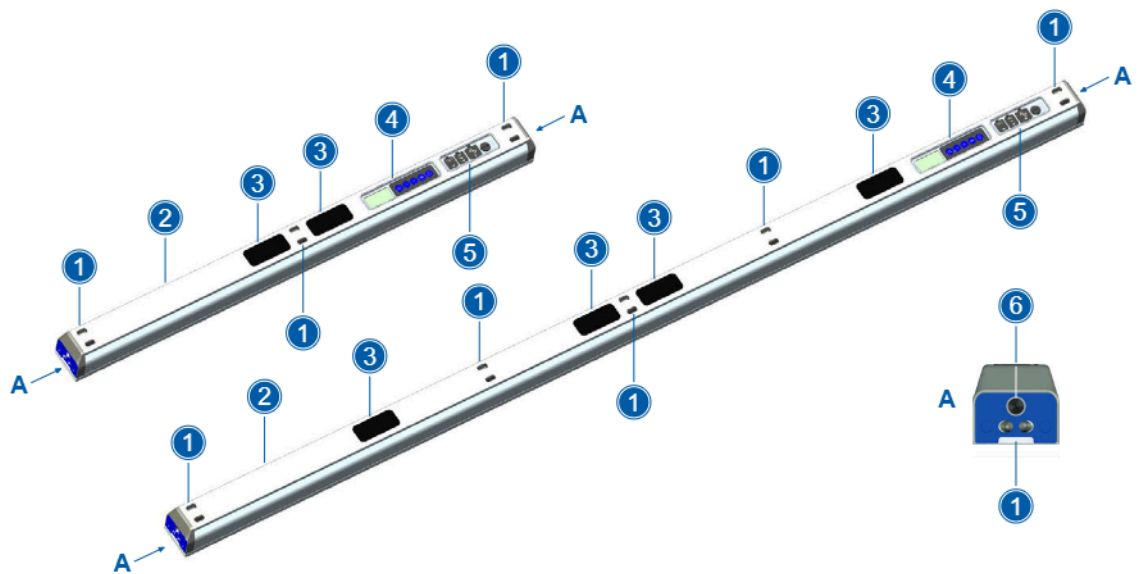


Figure 1: Omnibar Rear View

- | | |
|--|--|
| 1 Cable slot for Rigging Equipment
(Omnibar 2: 5x, Omnibar 4: 7x) | 4 Device Menu |
| 2 Mounting Rail | 5 Connector Panel |
| 3 Magnetic Clamps
(Omnibar 2: 2x, Omnibar 4: 4x) | 6 3/8" Thread for Eyebolt (on both ends) |

2.2 Connector Panel

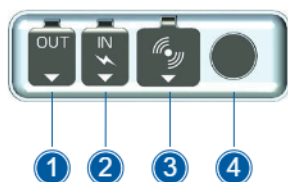
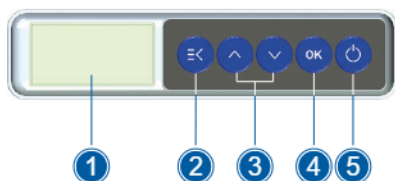


Figure 2: Omnibar Connector Panel

- | |
|--------------------|
| 1 POWER / DATA OUT |
| 2 POWER / DATA IN |
| 3 USB-C port |
| 4 Climate membrane |

3 Device Menu

3.1 Overview of the Device Menu



- 1 Display
- 2 MENU button
- 3 UP / DOWN buttons
- 4 OK button
- 5 POWER button

Figure 3: Omnibar Device Menu

Display (1)

The display shows the current settings and other information during normal operation.

MENU Button (2)

Push *MENU* to toggle between the main menu and sub menus. Use $\wedge$, $\vee$ and *OK* to navigate the menu.

UP / DOWN Button (3)

Push $\wedge$ and $\vee$ to navigate through menus and set values or parameters.

OK Button (4)

Push *OK* to open a menu. *OK* scrolls through the list of parameters in a sub menu (e.g.: *OK* scrolls through Intensity > CCT > GM in the CCT menu).

POWER Button (5)

Push *POWER* long (> 3 sec.) to energize or de-energize the Omnibar.

3.2 To Navigate the Menu

Use the device menu to adjust settings quickly or to prepare the Omnibar for control through DMX.

Navigating the menu is straightforward:

1. Push *MENU* to toggle between the main menu and sub menus.
2. Select the menu item with $\wedge$ and $\vee$ in the main menu. Confirm with *OK*.
3. Select the available parameters with *OK*.
4. Set the value with $\wedge$ and $\vee$. The current value is applied immediately.
5. Repeat from step 3 until you are done.
6. Push *MENU* to return to the main menu and repeat from step 2 to change further settings.

3.3 Energize and De-energize

The Omnibar has a main switch.

To energize or de-energize the device, push *POWER*.

The device will operate with the settings made on the control panel or received by DMX / RDM.



NOTICE

Notes on Battery Operation

When running the Omnibar on battery power, please note:

- ▶ When you push *POWER* the device de-energizes, but the Bluetooth interface remains live. It enters an idle mode where power consumption is very low. We recommend to re-charge the battery after some weeks of non-use to prevent battery damage through deep discharge.
- ▶ When charging a completely empty battery, the Omnibar might show the ARRI logo on the display and / or may flash briefly and repeatedly. This is normal behavior. It disappears as soon as the battery is charged to 1% or above.

3.4 Operation Mode

To select an operation mode:

- ▶ In the main menu, push $\wedge$ or $\vee$ to scroll through the color modes CCT, HSI, XY, RGB, GELs and Effects.
- ▶ Push *OK* to activate the color mode and change settings.
 - In CCT mode the Omnibar generates white light with optimized color rendition.
 - In HSI mode the Omnibar generates colored light. If saturation is set very low, the Omnibar generates white light, but not with optimized color rendition.
 - The XY mode generates a color defined by its x,y coordinates
 - The GEL mode offers an extensive color gel library.
 - In Effects mode you can select a lighting effect and adjust it.

4 DMX Control Modes

The Omnibar offers 168 different DMX modes. Please find a detailed overview of all DMX modes in the *Omnibar DMX Protocol Specification*. It is available for download on the [ARRI documentation portal](#).

All DMX modes support color channels.

DMX mode 1 is the default mode.

DMX Mode	Description	Resolution 8 bit 16 bit		Color / Strobe / Control Channel	Channel Count
1 – 12	CCT & RGB	X	X	X / X / X	9 – 386
13 – 24	RGBW	X	X	X / X / X	10 – 450
25 – 36	CCT & HSI	X	X	X / X / X	8 – 322
37 – 42	CCT & XY		X	X / X / X	12 – 322
43 – 54	CCT	X	X	X / X / X	5 – 162
55 – 66	HSI	X	X	X / X / X	5 – 194
67 – 72	XY		X	X / X / X	8 – 194
73 – 84	RGB	X	X	X / X / X	6 – 196
85 – 96	RGBW	X	X	X / X / X	7 – 260
97 – 108	WP RGB	X	X	X / X / X	8 – 199
109 – 120	WP RGBW	X	X	X / X / X	9 – 263
121 – 132	RGB	X	X	X	3 – 192
133 – 144	RGBW	X	X	X	4 – 256
145 – 156	WP RGB	X	X	X	5 – 195
157 – 168	WP RGBW	X	X	X	6 – 259

32 Zone Modes with Omnibar 2

The Omnibar 2 has 16 zones. To simplify programming in installations that include both Omnibar 2 and Omnibar 4, the Omnibar 2 has virtual 32 zone modes.

While the DMX channels for the zone 32 are assigned, control commands on these channels are ignored.

This means you do not need to modify the programming if you replace an Omnibar 4 in an installation with an Omnibar 2.

To Set the DMX Mode

To set the DMX Mode:

- 1 Open *DMX > Mode*.
- 2 Push $\wedge$ and $\vee$ to set the DMX mode.
- 3 Confirm with *OK*.

5 Creative Functions

5.1 To Set Lighting Parameters in CCT Mode

The CCT mode provides control of intensity, color temperature and the green / magenta point.

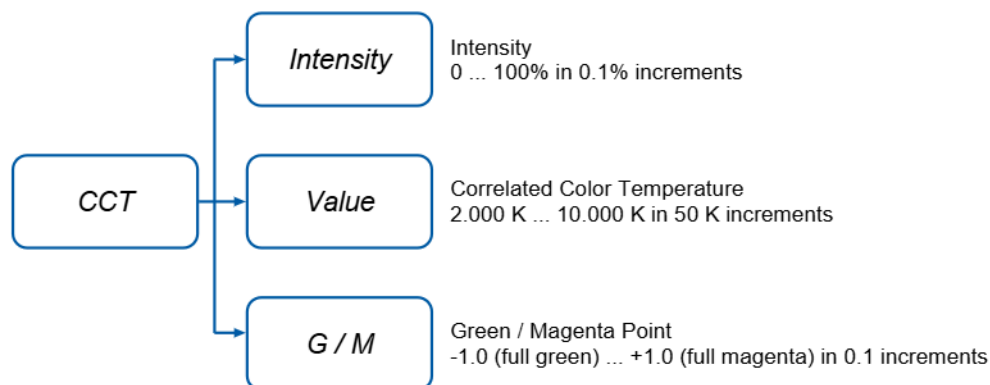


Figure 4: CCT Mode menu

5.2 To Set the Color in HSI Mode

The HSI mode provides control of intensity, color hue and color saturation.

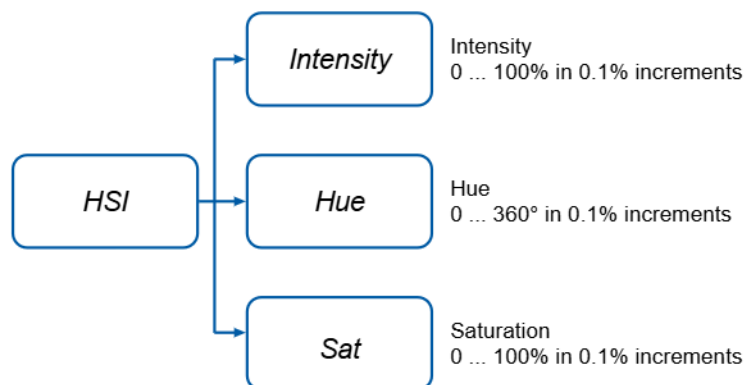


Figure 5: HSI Mode menu

5.3 To Set the Color in x,y Mode

The x,y mode defines a color using its x,y coordinates. The range of both the x and y coordinate is 0.0000 to 0.8000.

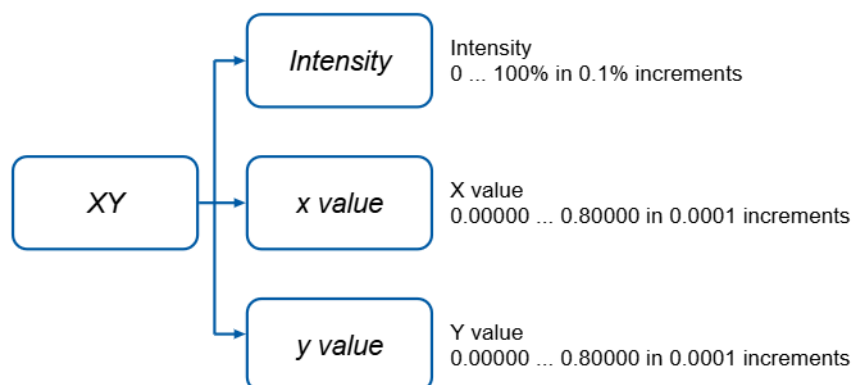


Figure 6: XY Mode menu

5.4 To Set the Color in RGB Mode

The RGB mode provides control of intensity and the red, green and blue color portion in the resulting light color.

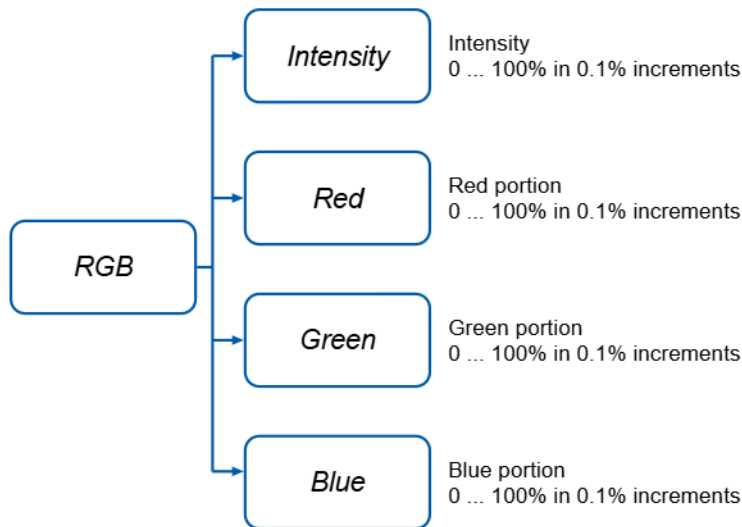


Figure 7: RGB Mode menu

5.5 To Set the Color Filter in Gel Mode

The GEL mode offers an extensive color filter list. You can control the intensity as usual. Select one of two white light color temperatures (3.200 K or 5.600 K).

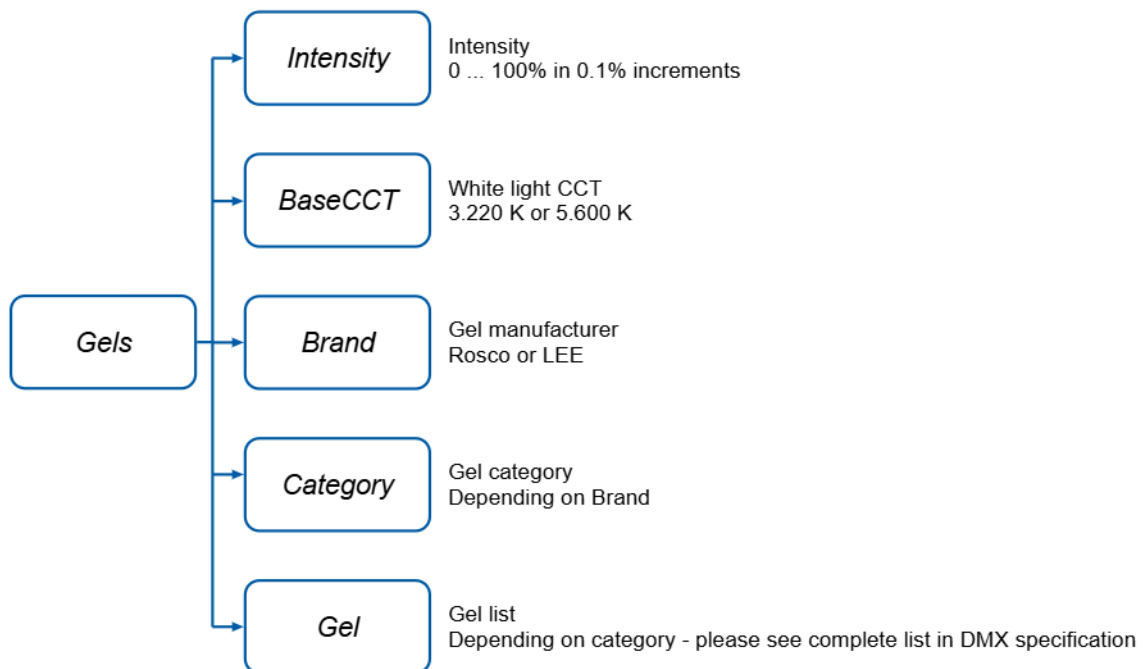


Figure 8: Gel Mode Menu

Available color filter categories:

Rosco	LEE
Color Correction	Color Correction
CalColor	Color Filters
Storaro Selection	600 Series
Cinelux	Cosmetic
	700 Series

5.6 To Set a Lighting Effect

The Omnibar offers 22 lighting effects for use on set or in a TV studio. The Omnibar replaces many special effect devices with its effect library.

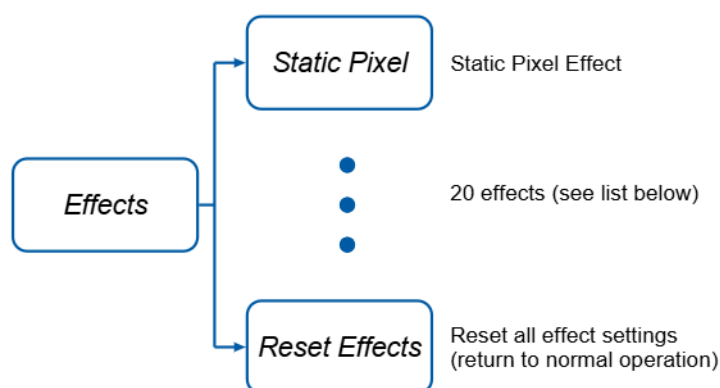


Figure 9: Effects Menu

Available lighting effects:

Static Pixel	The Omnibar has 1, 2, 4, or 8 zones. You can select a color and intensity for each zone. An overall strobe effect is available.
Pixel Pulse	The Omnibar has 1, 2, 4, or 8 zones. You can select a 2, 4, or 8 color chaser and intensity for each zone separately. An overall strobe effect is available.
Swipe	Each Omnibar has one zone. You can select a 2, 4, or 8 color chaser and intensity. An overall strobe effect is available.
Chase Single	The Omnibar creates 1 – 3 moving blocks and a background color. You can select color, speed, direction for each block. A strobe effect is available. The colored blocks are moving over the bar that has a background color.
Chase Double	Like <i>Chase Single</i> with 2 – 6 moving blocks.
Rainbow	Rainbow effect with adjustable speed and mirror effect. A strobe effect is available.
Candle	Low flickering of a warm light, slower than fire and less energetic. The light gentle fades in CCT and brightness with periods of static behavior in between. It consists of „flutters“ and static periods.
Clouds Passing	Slow variations in intensity and CCT you can offset. The lighting effect is most useful when you use some Omnibar that are offset to prevent a simultaneous lighting effect on different devices.
Club Lights	Club effect with adjustable speed and color variety settings.
Cop Car	Creates a blue and red flashing effect to mimic a police car, an ambulance or a fire brigade. Do not use the lighting effect in public areas without permission.
Explosion	A bright flash of light with a fast attack and a semi-slow decay.

Fire	Creates a flickering fire effect.
Fireworks	Bright flashes of color that have a quick start and fade to zero intensity.
FL Flicker	Fluorescent color with static periods and periods of the light flickering on and off.
Lightning	Creates a flashing lightning effect. You can set intensity, speed and frequency of flashing.
Paparazzi	Lighting effect that mimics a flash bulb or modern camera flash.
Party Effect	The Party effect calls up the color spectrum or changes the color temperature from warm to cold and vice versa in an endless loop.
Pulsing	A pulsing or throbbing lighting effect where the color and speed can be set.
Strobe	Generates a white or colored strobe effect with adjustable speed from 25 flashes / sec to 1 flash / sec.
Television	Creates a TV effect. Cool CCT that changes intensity every few seconds.
Welding	Quick bright flashes on different light engines with a fast decay.
Reset Effects	De-activate the effect and return to normal operation.



DANGER

Risk of injury or death through epileptic seizure.

Do not use the light strobe effect near stairways, in corridors or near public exits.

Provide advance notice that strobe lighting is in use. Display advisory notices on the set, at the point of ticket sales, on tickets, if possible, in the program, and at the entrance(s) to the venue or studio.

Avoid extended periods of continuous flashing, particularly at frequencies of 10 to 20 flashes per second. At flash rates below 5 flashes per second, it is estimated that only 5% of flicker-sensitive persons will be at risk of seizure.

Make sure that personnel at the venue are trained in the care of a person who is having an epileptic seizure and able to provide care if necessary.

If strobes are in use and a person has a seizure, switch the strobes off immediately.

Mount strobes as high above head height as practicable.

5.7 To Set the Dimming Curve

The Omnibar offers four dimming curves. The dimming curves are global: They affect both the intensity control through the device menu or DMX and wireless DMX.



NOTICE

The dynamic of an effect using the intensity is very low, when you choose a basic intensity value in a flat area of the dimming curve. Activate a different effect or select another dimming curve to create a more dynamic effect.

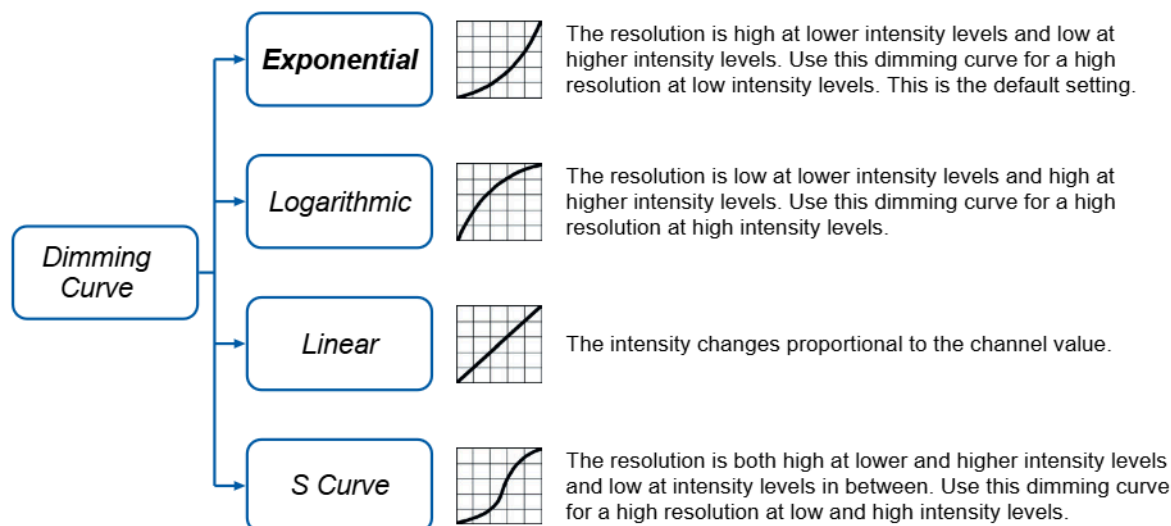


Figure 10: Dimming Curve menu

5.8 To Set the Dimming Smoothing

The Omnibar offers different dimming smoothing options. These options allow you to achieve the optimal dimming performance for any environment and application. You can set the option through DMX only.

Available options:

Dimmer Smoothing OFF	No dimmer smoothing active.
Dimmer Smoothing Fast	Fast dimmer smoothing.
Dimmer Smoothing Standard	Normal dimmer smoothing.
Dimmer Smoothing Smoother	The intensity change is soft.
Dimmer Smoothing Smoothest	The intensity change is very soft.
Force Smoothing Off	De-activates dimmer smoothing for sudden intensity changes above 50%.
Force Smoothing On	Forces the dimmer smoothing (when active) to always apply smoothing. This prevents sudden jumps that would because of a threshold value. With "Force Smoothing Off" the threshold value is 50%. Below 50% the smoothing is active, above 50% it is de-activated. "Force Smoothing On" means that even an intensity change from 0 to 100% intensity and back is smoothed. No light flash is possible.

6 Other Functions

6.1 Runtime

You can use the Omnibar at maximum brightness or set a target operating time. Depending on the selected operating time, the maximum brightness will be limited. The battery shall be fully charged to get the operating time.

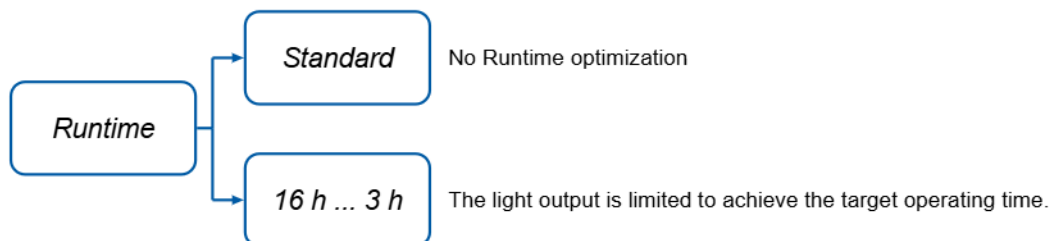


Figure 11: Runtime Menu

6.2 Boost

Activate the Boost mode to increase the maximum brightness significantly.

► Select *Boost* > *Boost*. Push OK to toggle the Boost mode.



Figure 12: Boost mode Menu



NOTICE

- The Boost mode is not available when charging the battery or the Omnibar is supplied by an external power supply (Omnibase or third-party).
- An icon is shown in the display when Boost mode is active.
- The battery operating time decreases when Boost mode is active.

6.3 Display Setup

Use the Display Setup menu to set the display behavior.

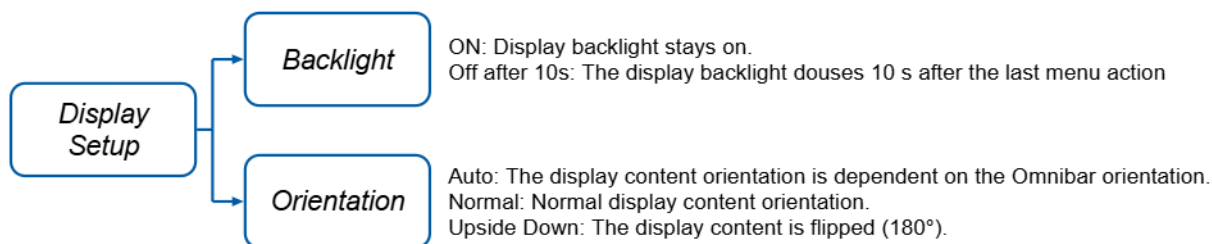


Figure 13: Display Setup menu

6.4 Bluetooth

The Bluetooth menu shows the device name which is used in a Bluetooth network. You can reset the Bluetooth connection with *Reset*.

6.5 Fixture Info

FIXTURE INFO contains information about the device status.

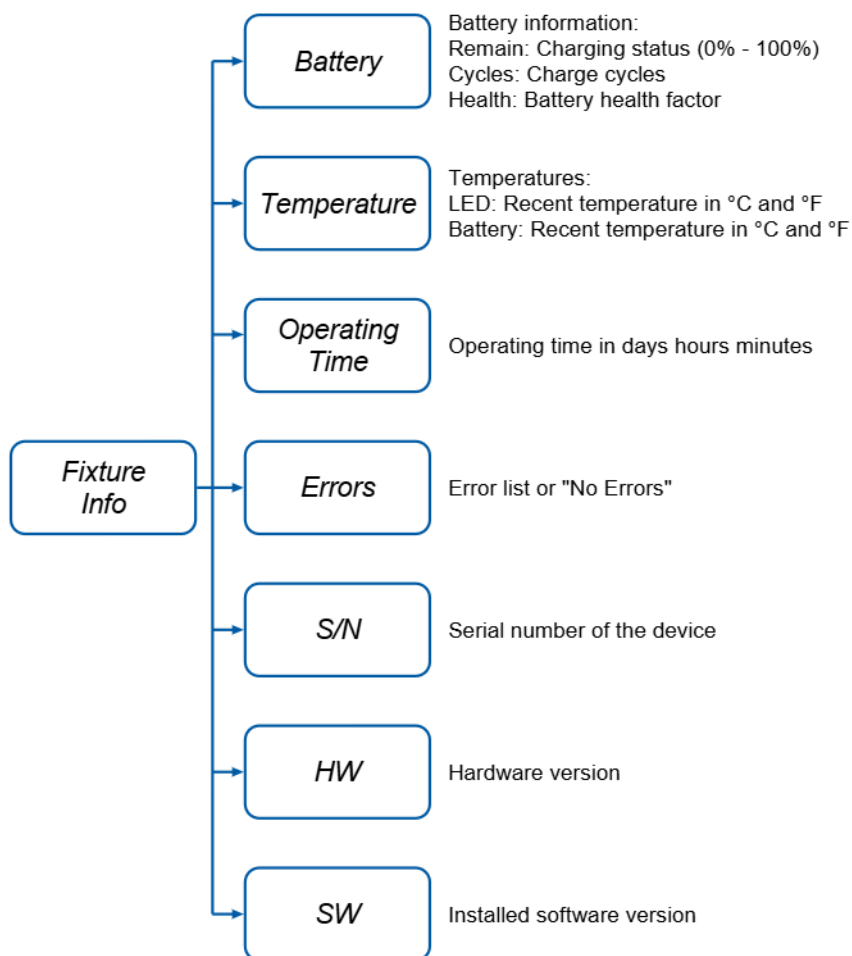


Figure 14: Device Information menu

6.6 Settings

SETTINGS contains useful options which don't fit in other menus.

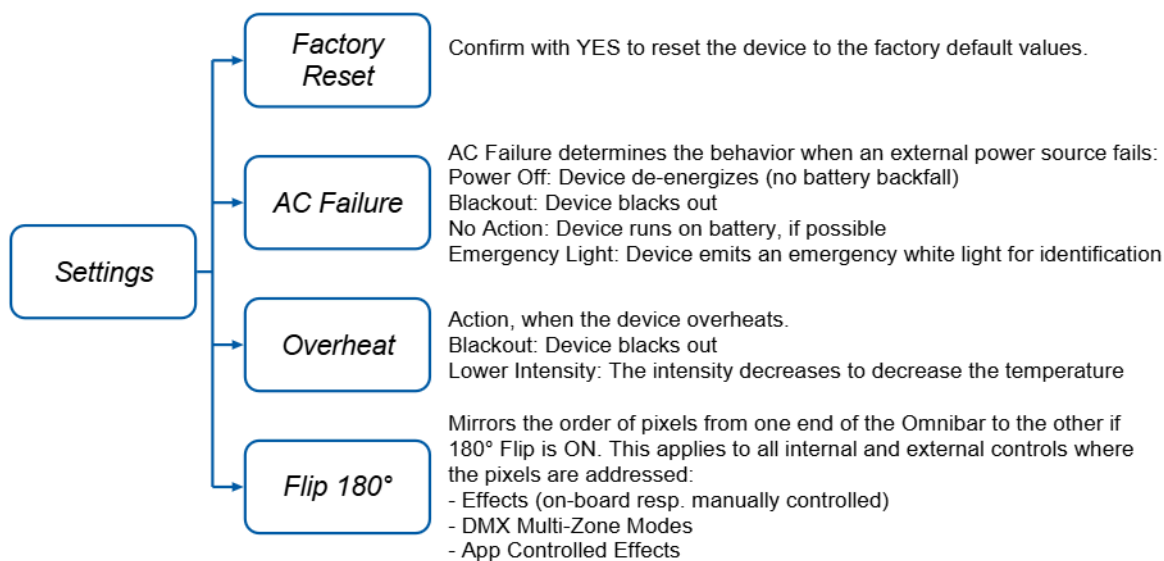


Figure 15: Settings menu

7 Control Options

7.1 Basic DMX Setup

The Omnibar receives wired DMX data through the hybrid power / data cable from the Omnibase or another Omnibar. You shall use wireless DMX to control the Omnibar without the Omnibase.

The basic DMX setup menu provides several options for the DMX setup.

Available options:

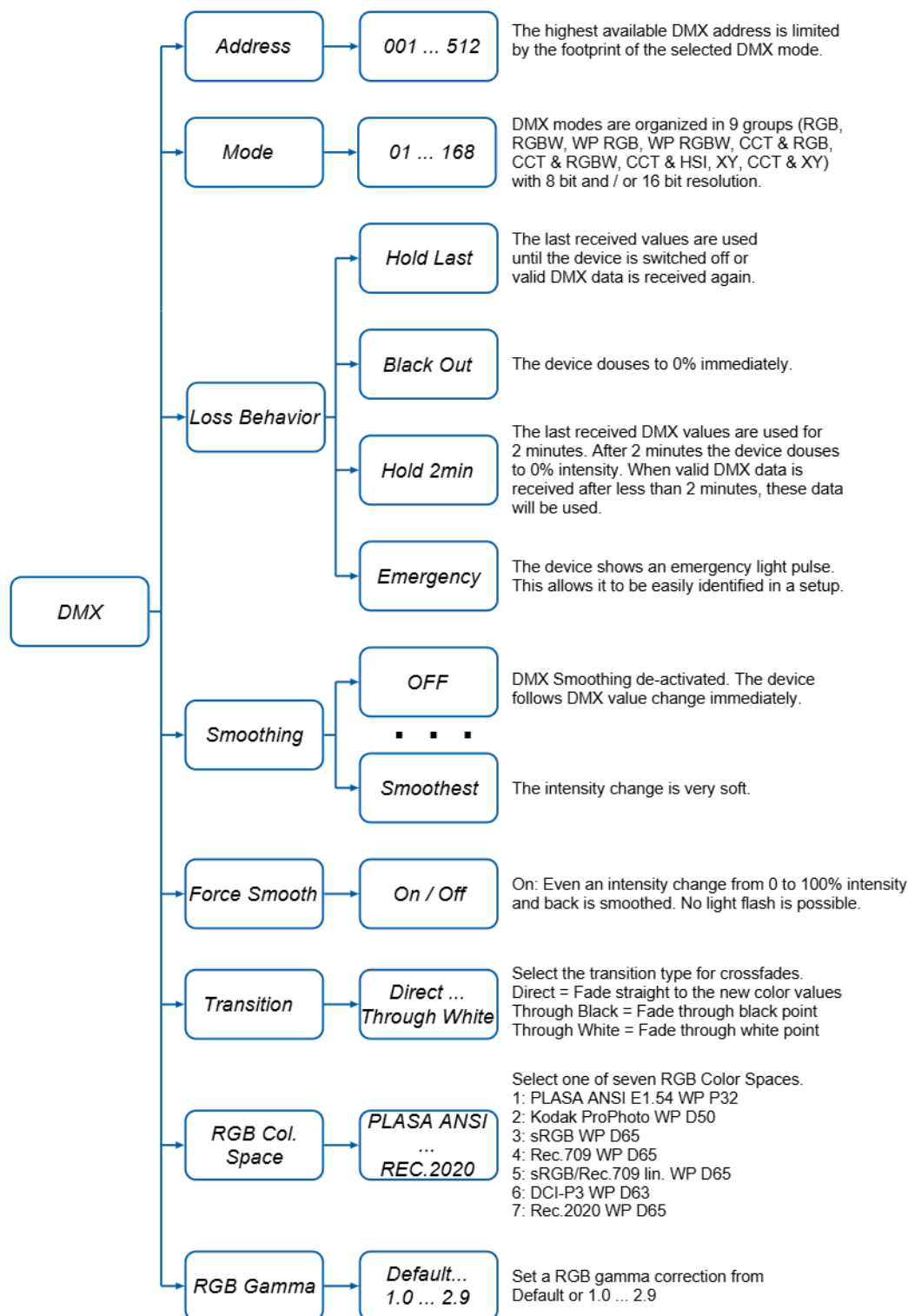


Figure 16: DMX Setup menu

7.2 Wireless DMX

The Omnibar has a wireless DMX receiver. It supports the LumenRadio CRMX and CRMX2 protocol.

When no DMX traffic is received through the wired DMX interface and wireless DMX is activated through, the Omnibar can be linked to a wireless DMX transmitter through an RDM command. After successful linking, the Omnibar processes wireless DMX data.

The device responds to RDM requests only through the wireless link.

- ▶ Select *Wireless DMX > CRMX* and push *OK* to activate or de-activate wireless DMX.
- ▶ Select *Wireless DMX > Unlink* to unlink the Omnibar from a wireless DMX transmitter.

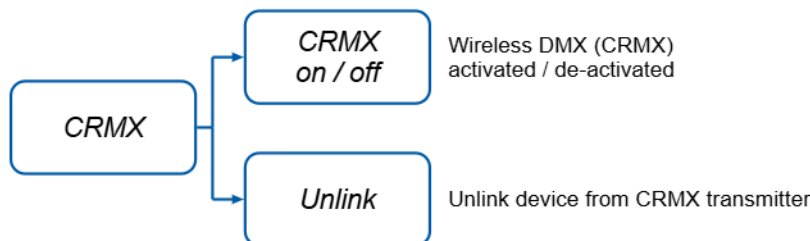


Figure 17: Wireless DMX menu

When you de-activate CRMX, no wireless DMX and no wireless RDM traffic will be processed.

As soon as DMX or RDM traffic is detected through the wired interface, any wireless DMX or RDM data will be ignored. The Omnibar processes the wired DMX / RDM traffic.



NOTICE

Please find a detailed overview of all DMX modes in the *Omnibar DMX Protocol Specification*. It is available for download on the [ARRI documentation portal](#).

7.3 Bluetooth Mesh

Bluetooth Mesh establishes a secure Bluetooth connection between the ARRI Lighting Companion app and one or multiple Omnibars.

The app is responsible for configuring both the mesh network and the Omnibar. The smartphone / tablet acts as the provisioner.

The app detects the Omnibar even when it is de-energized, as the Omnibar's Bluetooth interface is active at regular intervals.

When you connect the app to an Omnibar for the first time, you are asked to set the owner PIN and then the system PIN. Both PINs are stored in the device. A factory reset deletes the system PIN. The owner PIN remains intact.

You need these PINs to do different actions. Generally, the owner PIN is intended for the device owner (e.g., rental company), and the system PIN is intended for the device user (e.g., Gaffer).

For more information about the ARRI Lighting Companion App, please refer to the app.

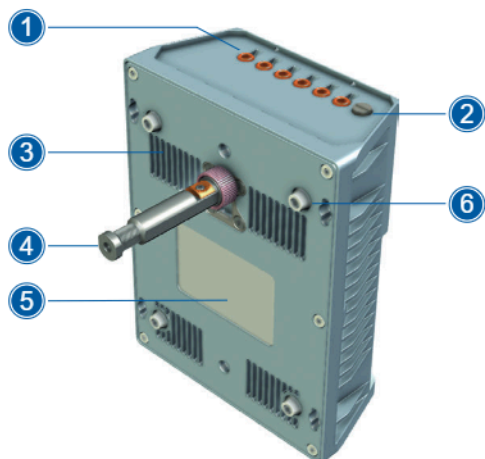
8 Omnibase

The Omnibase is as power supply and data source for one or more Omnibars.

It is an interface to wired DMX, sACN, Art-Net. The Omnibase is a charger for the Omnibar battery.

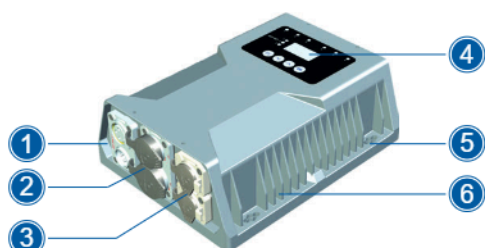
The following section describes the device menu and connectors of the Omnibase. For more information on installing and using the Omnibase with Omnibars, please refer to the operating manual. The operating manual is available for download from the [ARRI documentation portal](#).

8.1 Product Overview



- 1 POWER OUT 24 V (2x 8 A, 4x 6 A)
- 2 Climate membrane
- 3 Ventilation slots
- 4 Omnipin Interlock
- 5 Type plate
- 6 Rubber feet (4x)

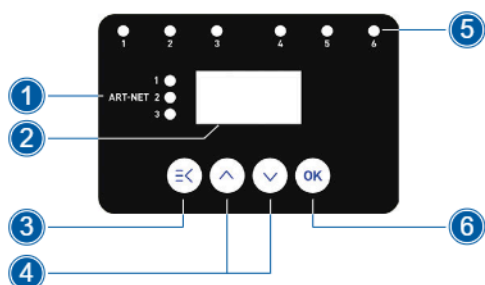
Figure 18: Omnibase Rear Bottom View



- 1 DMX IN / THROUGH
- 2 POWER IN / OUT
- 3 LAN 1 / LAN 2
- 4 Device menu
- 5 Slotted mounting holes (4x, Ø 8 mm)
- 6 Cooling fins

Figure 19: Omnibase Front Left View

8.2 Device Menu



- 1 Art-Net universe
- 2 Display
- 3 MENU button
- 4 UP / DOWN buttons
- 5 24 V DC Power out indicator LEDs (6x)
- 6 OK button

Figure 20: Omnibase Device Menu

Daisy Chain Management

DAISY CHAIN contains options to set up the Omnibars connected to the Omnibase.

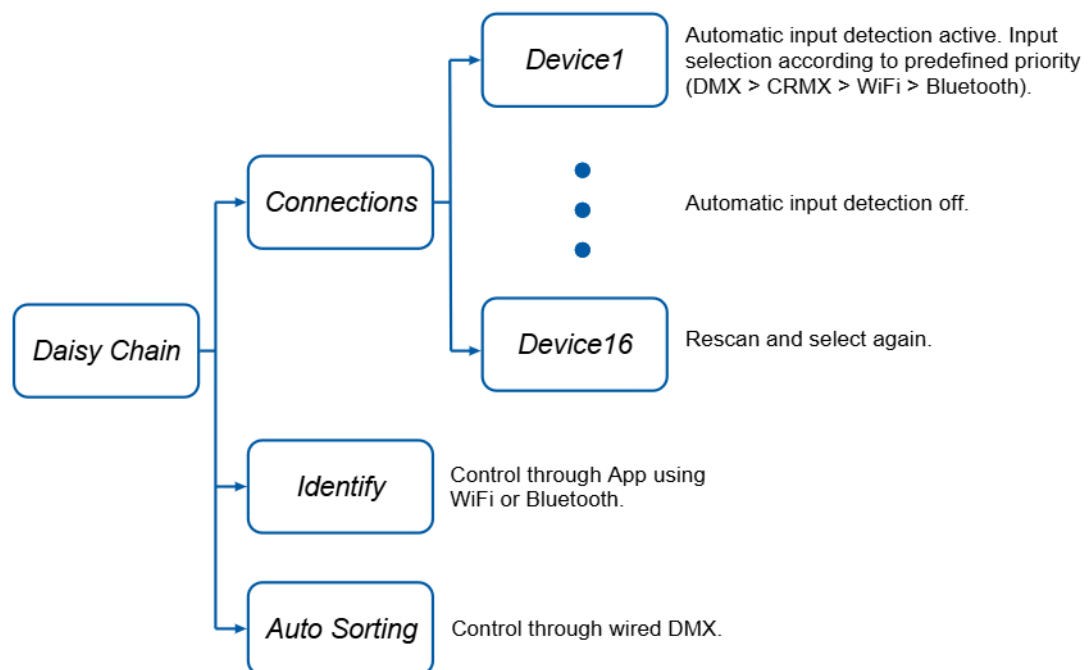


Figure 21: Omnibase Daisy Chain menu

Network Configuration

NETWORK contains all options you need to set up the control through Art-Net and / or sACN.

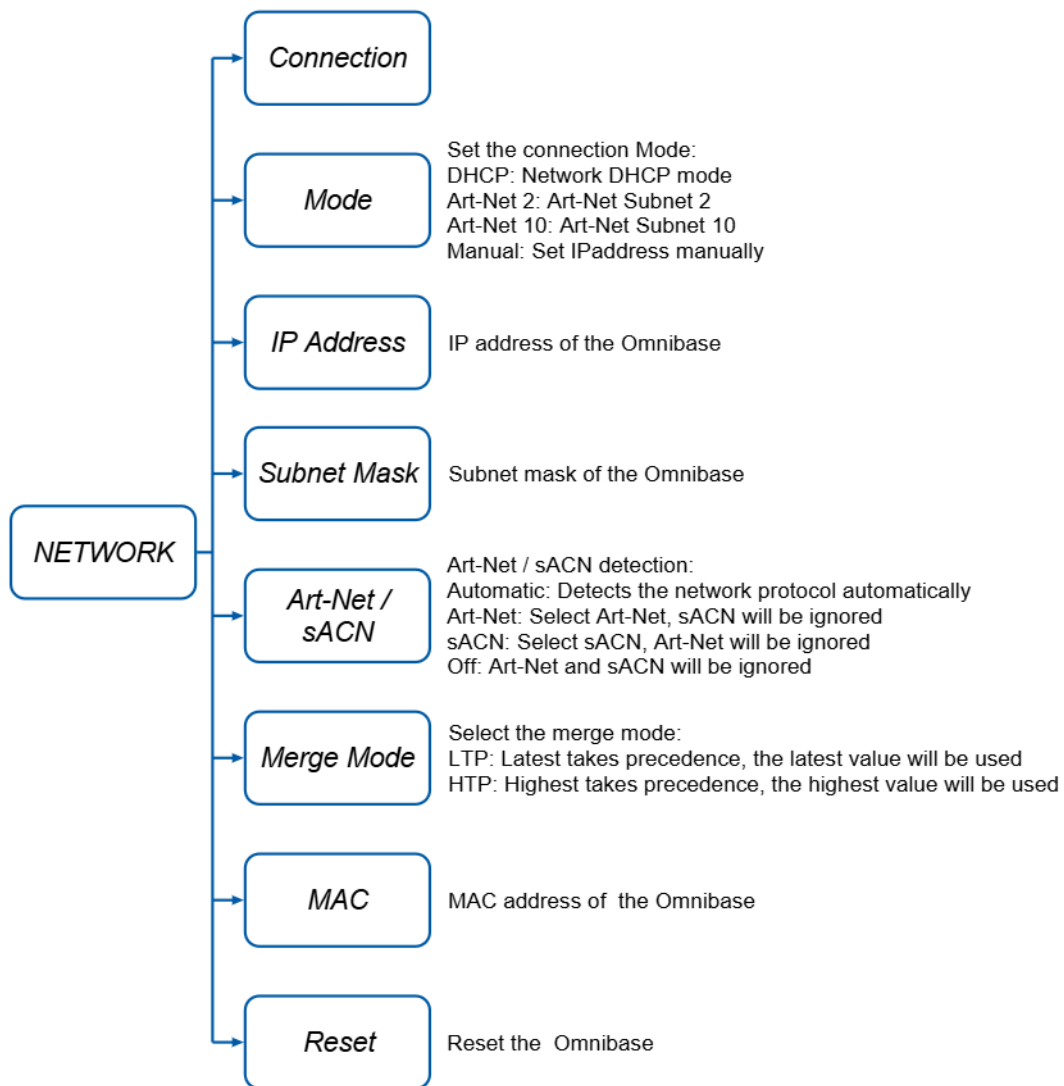


Figure 22: Omnibase Network menu

Output Port Configuration

► Select *Port Config* > *Port (1...6)* to configure the input signal of each port.

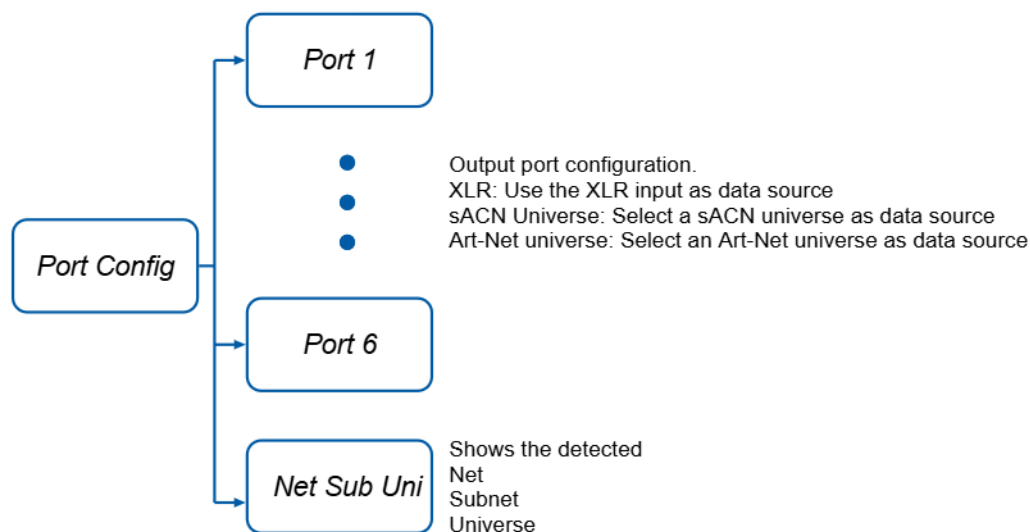


Figure 23: Omnibase Port config menu

Bluetooth

► Select *Bluetooth* to show the device name or reset the Bluetooth interface.

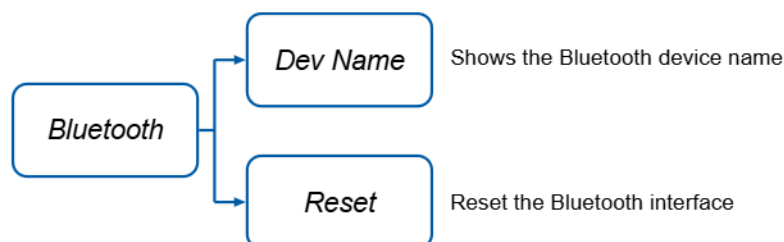


Figure 24: Omnibase Bluetooth menu

Display Setup

► Select *Display Setup* to select the display behavior.

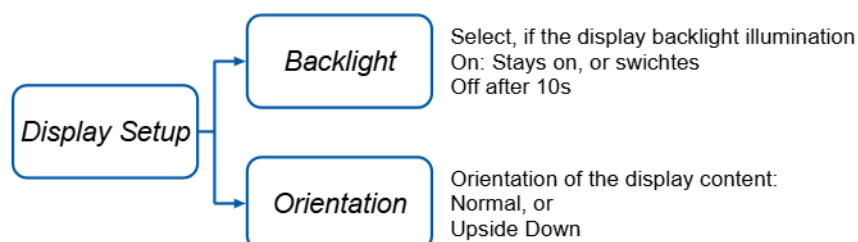


Figure 25: Omnibase Display setup menu

Device Info

► Select *Device Info* to show information about the Omnibase.

Available information:

Operating Time	Shows the: Total operating time since manufacturing of the Omnibase, Current operating time since last counter reset, Last operating time since last power-cycling.
Temperature	Shows the recent: Case (housing) temperature Power supply temperature
Error Log	Shows the error log of the Fan , Power supply, Case temperature if there is an error.
S/N	Serial number of the Omnibase
HW	Hardware version
SW	Installed software version

Settings

► Select *Settings* to

- perform a factory reset of the Omnibase, or
- set the protection behavior of the device (Display Flash or error log recording without status message)

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