



PAGE-X Series

REMOTE CONTROLS & INTERFACES

Paging Stations & Control Touch-Screens



USER MANUAL

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1. PRECAUTIONS

1.1 Important Notice



WARNING: SHOCK HAZARD - DO NOT OPEN

AVIS: RISQUE DE CHOC ÉLECTRIQUE - NE PAS OUVRIR



The flashing light with an arrowhead symbol inside an equilateral triangle on it is intended to alert the user of the presence of non-insulated “dangerous voltage” within the enclosure, which might be of sufficient magnitude to pose a risk of electric shock to users.



The exclamation mark within an equilateral triangle is intended to alert the user of the requirement for important operating and maintenance (servicing), for which instructions may be found in the literature accompanying the appliance.

WARNING (If applicable): Terminals marked with symbol  may be of sufficient magnitude to pose a risk of electric shock. The external wiring connected to terminals requires installation by a technician, or the use of ready-made leads or cords.

WARNING: To prevent fire or shock hazard, do not expose this equipment to rain or humidity.

WARNING: A device with Class I manufacturing ought to be connected to a mains socket outlet with a protective earthing connection.



WARNING: Ecler products have a long lifetime of more than 10 years. This product must never be discarded as unsorted urban waste, but must be taken to the nearest electrical and electronic waste treatment centre.



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1.2 Key Safety Directions

1. Read the following directions.
2. Keep the following directions.
3. Observe all warnings.
4. Follow all instructions.
5. Do not use this device in proximity to water.
6. Clean only with a dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other devices (including amplifiers) that may release heat.
9. Do not defeat the safety purpose of the polarized or grounding type plug. A polarized plug has two blades, with one being wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, contact a qualified electrician for a replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched, particularly at the plugs, convenience receptacles, and at the point of exit from the device.
11. Only use attachments/accessories specified by the manufacturer.
12. Unplug the device during lightning storms or when unused for long periods.
13. Refer all servicing to qualified personnel. Servicing is required when the device has been damaged in any way, such as power supply cord or plug damage, liquid spillage or objects onto the device, the device has been exposed to rain or humidity, does not operate normally, or has been dropped.
14. Disconnecting from mains: When switching off the POWER switch, all the functions and light indicators of the unit will be stopped, but fully disconnecting the device from mains is done by unplugging the power cable from the mains input socket, therefore, it should always remain easily accessible
15. Equipment is connected to a socket-outlet with an earthing connection by means of a power cord.
16. The marking information is located at the top/rear of the unit.
17. The device shall not be exposed to dripping or splashing liquids, and no liquid-filled objects, such as a filled up glass, shall be placed on top of the device.

1.3 Cleaning Directions



Clean the unit with a soft, dry clean cloth or slightly wet with water and neutral liquid soap only, then dry it with a clean cloth. Be careful that water never gets into the unit through any hole. Never use alcohol, benzine, solvents or abrasive substances to clean this unit.

NEEC AUDIO BARCELONA, S.L. accepts no liability for any damage that may be caused to people, animal, or objects due to failure to comply with the warnings above.



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2. WARRANTY & ENVIRONMENT

Thank you for choosing our Ecler PAGE-X Series model !

We greatly value your trust.

It is **VERY IMPORTANT** to carefully read this manual and to fully understand its **contents before any connecting takes place** in order to make the best use of this equipment, as well as to get the best performance from it.

To ensure optimal operation of this device, **we strongly recommend that its maintenance be carried out by our authorised Technical Services.**

All ECLER products are covered by warranty, please refer to www.ecler.com or the warranty card included with this product for the period of validity and conditions.



Ecler is truly committed with the environment and planet sustainability, energy saving and CO₂ emission reduction. Recycling materials and using non-contaminant components are also top priorities in our green crusade.

Ecler has deeply evaluated and analyzed the environmental impacts of all the processes involved in the production of this product, including packaging, and has alleviated, reduced and/or compensated for them.

3. PACKAGE CONTENTS

- 1 x PAGE-X4 or PAGE-X10D unit.
- 1 x First Steps Guide.
- 1 x Microphone.
- 1 x Warranty card.
- 1 x Euroblock connector.



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4. DESCRIPTION & FEATURES

PAGE-X Series is a range of touch paging consoles featuring analogue audio connectivity for the included gooseneck condenser microphone, a touchscreen display with an intuitive user interface, and seamless integration with the EclerPLEX ecosystem.

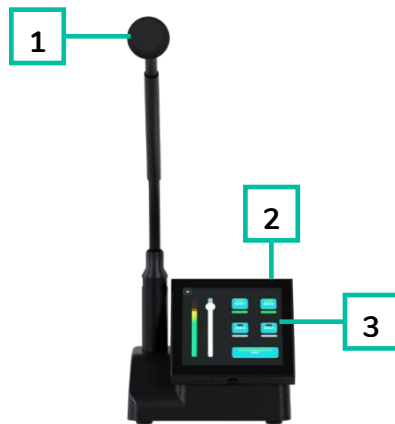
The range includes two models: **PAGE-X4**, a compact 4-inch touch paging console with analogue microphone connectivity, and **PAGE-X10D**, an advanced 10-inch model that adds Dante®/AES67 network connectivity.

4.1 Main Features

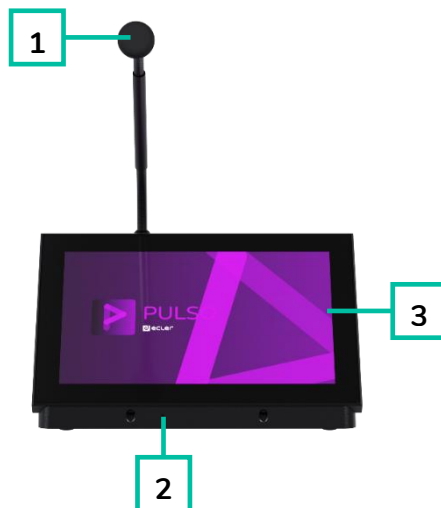
- Capacitive TFT touchscreen display.
- PAGE-X4: 4-inch display with 480 x 480 pixels resolution.
- PAGE-X10D: 10-inch display with 1280 x 800 pixels resolution.
- Cardioid gooseneck condenser microphone included.
- High-pass-filter: 100 Hz, 18 dB/oct.
- 1 x RJ45 connector supporting Ethernet (PoE) (PAGE-X4 and PAGE-X10D). On PAGE-X10D, it also supports Dante®/AES67 audio networking (2 flows), with the option to separate Dante and Control.
- 2 x RCA connectors (external AUX input), PAGE-X10D only.
- 1 x 3-pin Euroblock connector (balanced MIC output; nominal level: -32 dB for PAGE-X4, 0 dB for PAGE-X10D).
- Powered via PoE or an external 24 VDC power supply (not included).
- MIC gain adjustment via a screwdriver-accessible potentiometer (PAGE-X10D only).
- Reset and Reboot micro buttons.
- Compatible with EclerPLEX.


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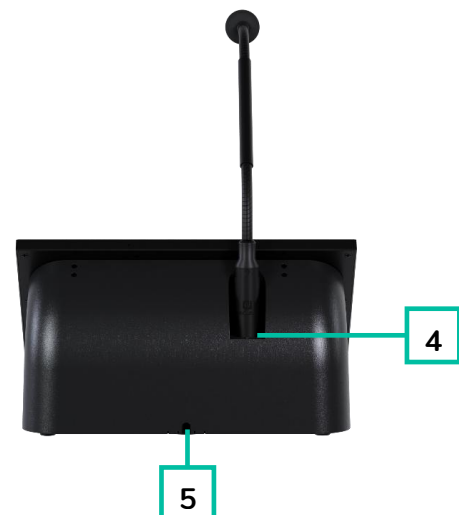
5. PANEL FUNCTIONS



PAGE-X4



PAGE-X10D



1. **Gooseneck Microphone.**
2. **Reboot Micro button:** To perform a manual reboot, press the Reboot Micro button using a pin or another suitably thin tool long enough to reach the button. This interrupts the power supply for a few seconds, allowing the device to restart and restoring access. Refer to the PULSO Series User Manual for more information.
3. **Multi-touch screen** (PAGE-X10D integrates a PULSO-10, while PAGE-X4 integrates a PULSO-4). For operating instructions, refer to the PULSO Series User Manual.
4. **XLR connector.**
5. **Network Cable pass-through.**



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6. INSTALLATION & CONNECTIONS

6.1 Installation and Wiring

 The paging microphone is supplied unmounted and must be fitted to the console before any PAGE-X model can be used for paging.

To install the microphone, gently insert it with the connection pins correctly aligned with the XLR socket on the console (with the Ecler logo facing the rear of the base unit) and apply gentle pressure until it clicks into place, indicating that the XLR safety latch has engaged properly. Once installed, the microphone remains securely mounted to the console while allowing slight vertical movement, minimizing handling noise and providing a robust feel.



 To remove the microphone from the console, insert a pin tool into the access hole located behind the microphone base on the console surface. This action releases the XLR retaining latch, allowing the microphone to be withdrawn. A moderate pulling force may be required to complete the extraction.



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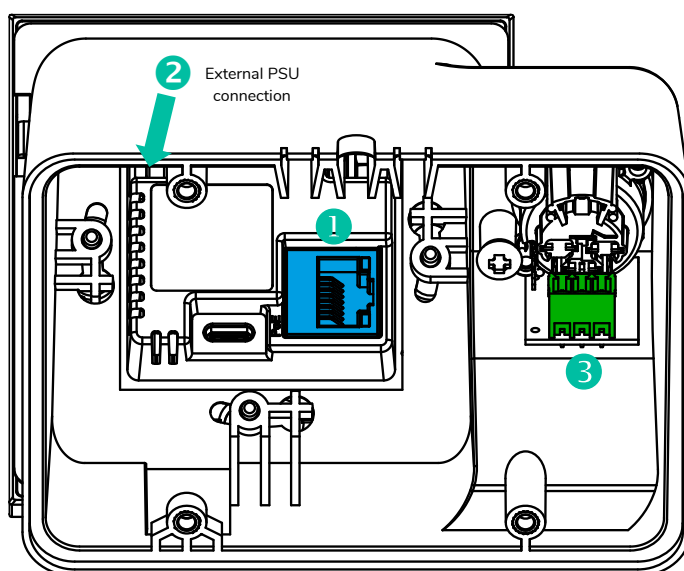
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Before programming and using the unit, it must be connected to the network, by means of its internal RJ45 ETHERNET interface **1**.

The unit must be powered either via PoE (Power over Ethernet), when available from the connected Ethernet switch, or by an external 12-24 VDC, 2A power supply (not included) **2**.

 If an external power supply is required, the recommended option is the **Ecler PSU-24V2A**, which includes a set of interchangeable international AC plug adapters.

 All connectors can be accessed by unscrewing and removing the bottom metal plate of the unit (8 screws for PAGE-X10D and 4 screws for PAGE-X4).



PAGE-X4 internal view, after removing the bottom metal plate



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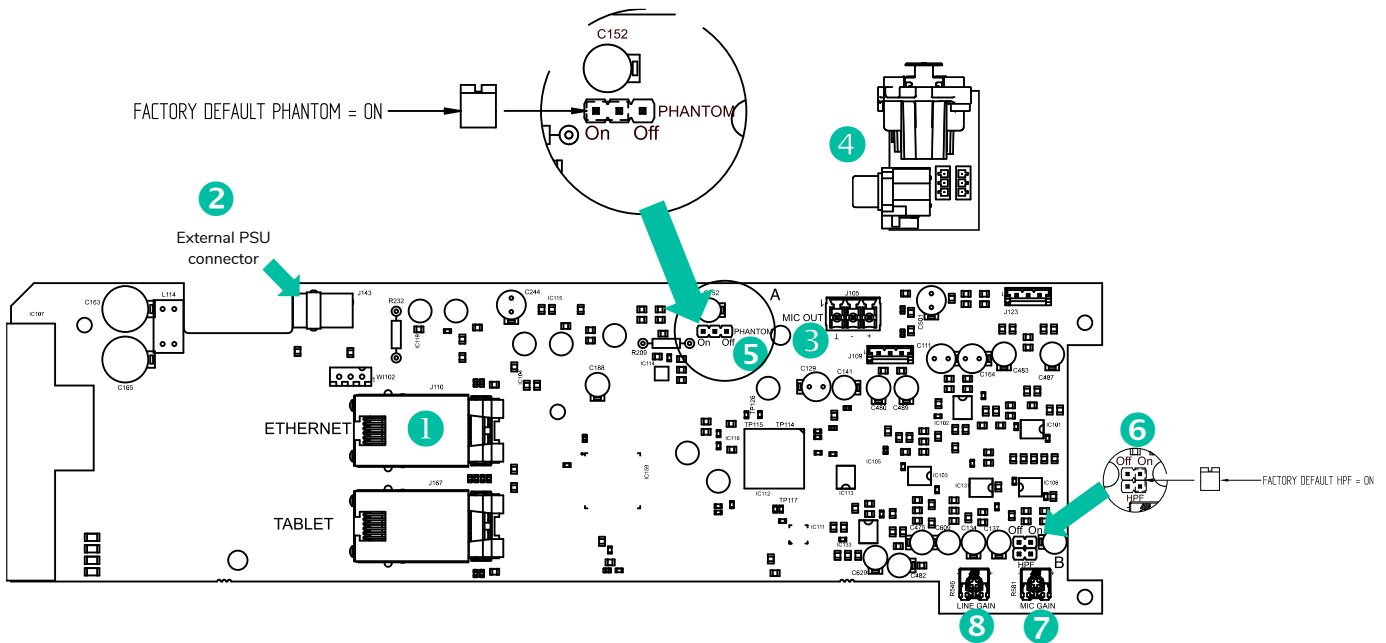
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PAGE-X10D internal view, after removing the bottom metal plate

Additionally, there are 2 extra audio connectors available:

- **MIC OUT (ANALOGUE AUDIO OUT)** ③: mono balanced signal (Euroblock). It is a copy of the microphone signal. In the PAGE-X4, it is provided as a balanced MIC-level signal (-32 dB), while in the PAGE-X10D, it is provided as a balanced LINE-level signal (0 dB, adjustable). PAGE-X10D also enables the creation of paging systems in combination with devices that do not natively support Dante®/AES67.
- **AUX IN (L / R), only for PAGE-X10D** ④: stereo LINE input, RCA connectors. The incoming signal is converted to mono and sent to the network using Dante®/AES67 channel #2. This input can be used to connect an external audio source (like a media player) and inject its signal to the network in Dante®/AES67 format.



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6.2 Audio Settings

PAGE-X4 and PAGE-X10D incorporate several audio controls in its electronics that can be used to tailor the incoming analogue audio signals.

 Click here to view the connection diagrams for each model and identify the connectors described below.

- **PHANTOM POWER ON / OFF (default = ON) 5** : it enables or disables the Phantom Power delivered to the microphone XLR connector, in case a condenser microphone is used, like the unit that comes by default with the unit.



For PAGE-X4, phantom power must be enabled on the pre-amplified input of the Ecler PLEX device.

- **HPF (High Pass Filter) ON /OFF (default = ON) 6** : it enables or disables the High Pass Filter (100Hz @ 12dB/oct) applied to the audio signal captured from the microphone capsule, to minimize low frequency and unwanted noise entering into the voice messages path along the audio system.



This function is available only on the PAGE-X10D. Nevertheless, the microphone included with both models features a selectable 100 Hz/18 dB/oct HPF.

- **MIC IN GAIN (PAGE-X10D only) 7** : preamp gain adjustment for the incoming microphone signal. It affects both the resulting Dante®/AES67 ch #1 output.



The microphone XLR connector is compatible with standard XLR gooseneck microphones, such as the supplied. Microphones with bases larger than the standard XLR connector size cannot be mounted.



- **AUX IN GAIN (LINE GAIN), PAGE-X10D only 8** : preamp gain adjustment for the incoming AUX IN ST LINE signal, later converted to mono and to Dante®/AES67 ch #2.



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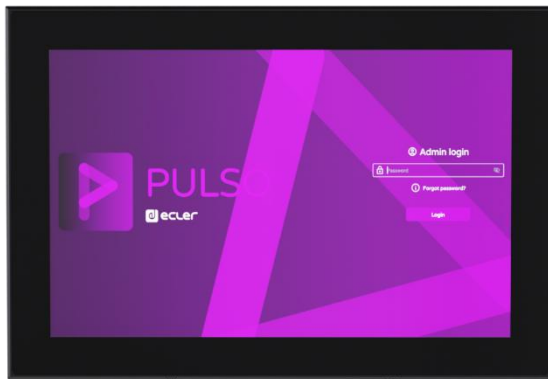
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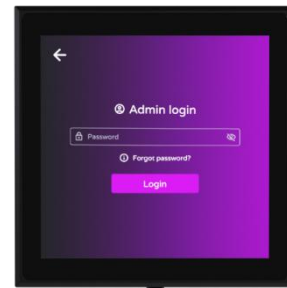
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7. OPERATION

PAGE-X4 and PAGE-X10D include PULSO hardware but can operate only as GUEST devices within an EclerPLEX system. Consequently, after boot-up, the PULSO login page is displayed with an automatic 10-second countdown, since the PLEX application is selected by default.



PULSO-10 multi-touch screen
integrated into PAGE-X10D



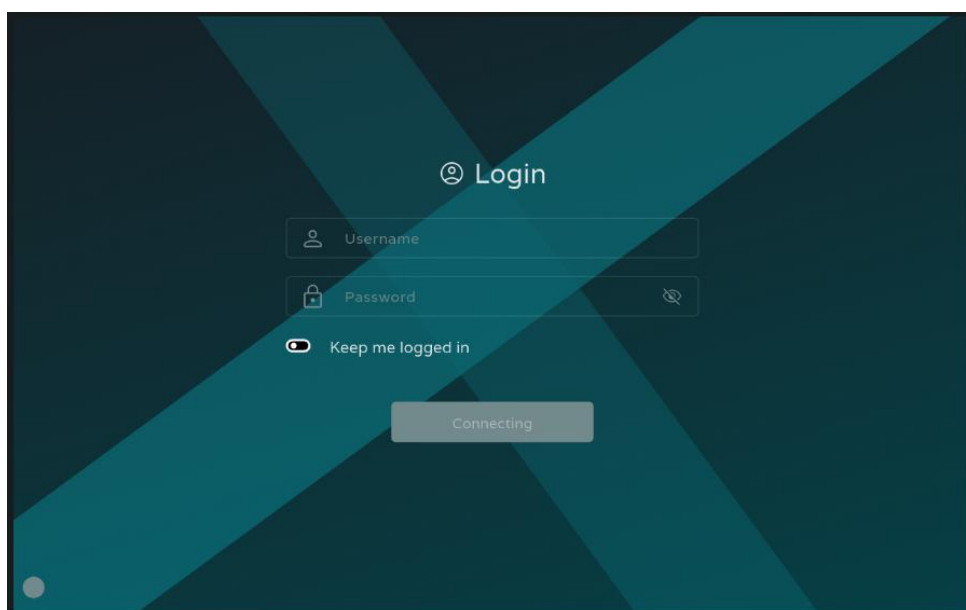
PULSO-4 multi-touch screen
integrated into PAGE-X4



For general operating instructions, refer to the PULSO Series User Manual.



If the administrator does not log in within the 10-second countdown period, the EclerPLEX login page is displayed automatically. From that point onwards, the PAGE-X model becomes available in the EclerPLEX environment as a guest device.



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8. PAGE-X AS AN EclerPLEX GUEST DEVICE

Once PAGE-X model has fully booted and the EclerPLEX login page is displayed, it becomes available as a GUEST device within the EclerPLEX system.

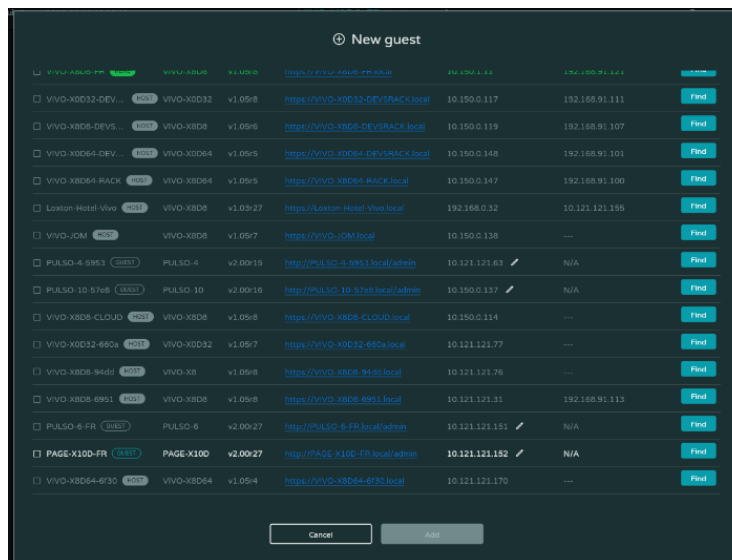
8.1 Linking Online Guest Devices

From the Devices menu of the EclerPLEX HOST, one or more PAGE-X paging stations may be added to the system.

1. Click the “New Guest” button to open a discovery window, which displays the Ecler devices detected on the network.



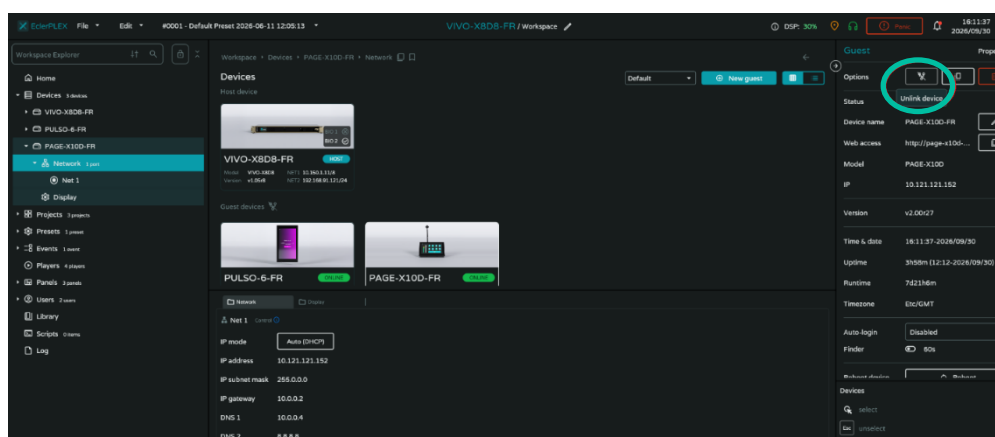
Available devices compatible with EclerPLEX are highlighted in white.



2. After the desired device has been selected and the “Add” button has been pressed, the device is added to the system and appears as online.



Once linked, the PAGE-X device remains bound to its HOST until it is released using the “Unlink device” button or until a “Restore user apps” operation is performed from the PULSO boot-up menu.



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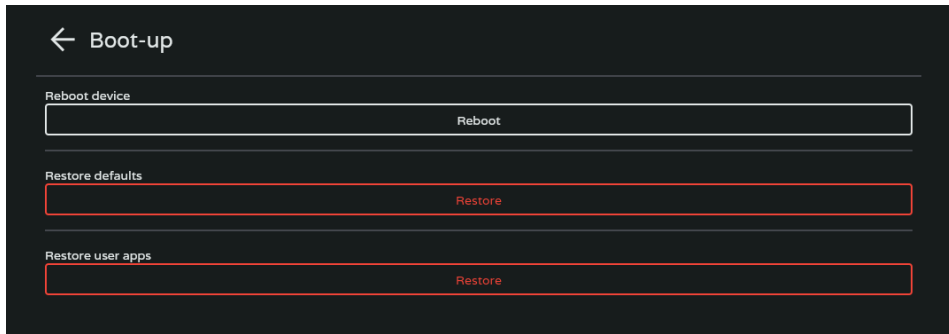
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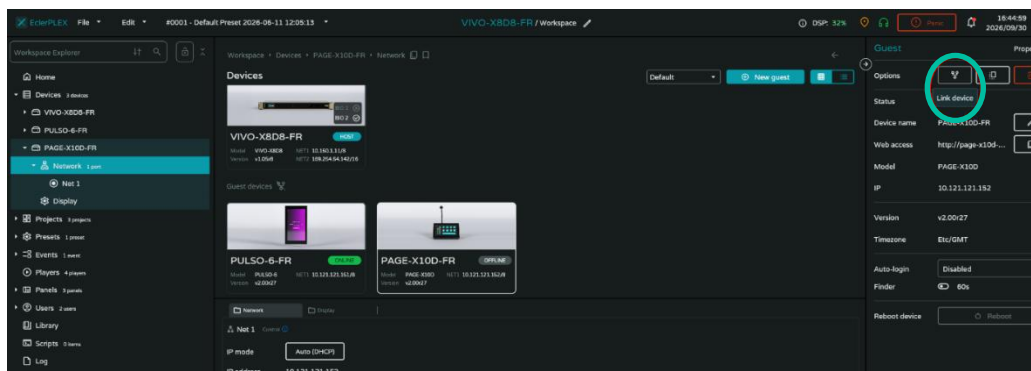
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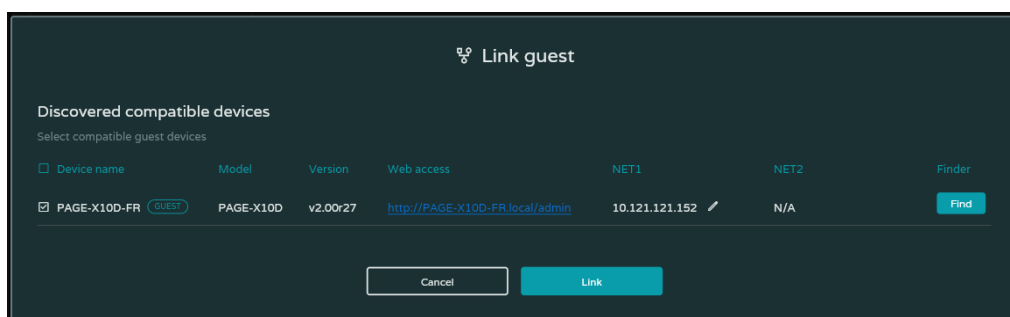
8.2 Linking Offline Guest Devices

A Guest device may be added to a project offline and linked to a physical device during installation.

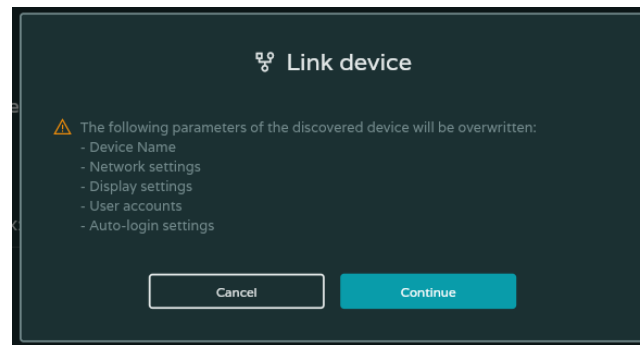
1. Click the “Link Device” button available in the “Guest” properties to associate a physical PAGE-X device with a Guest that was added offline.



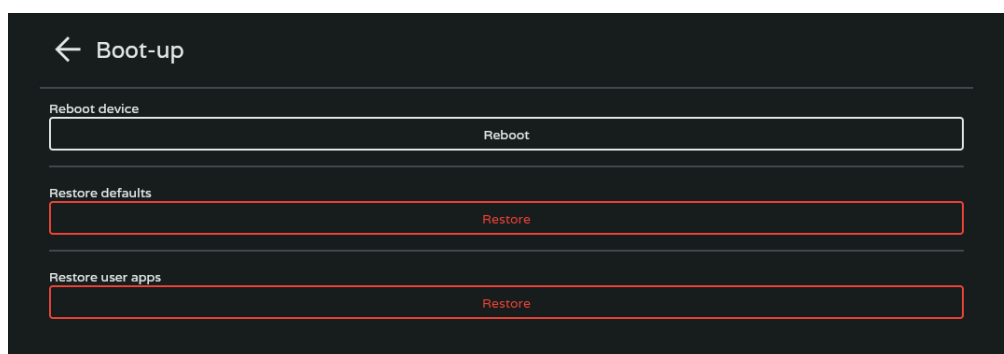
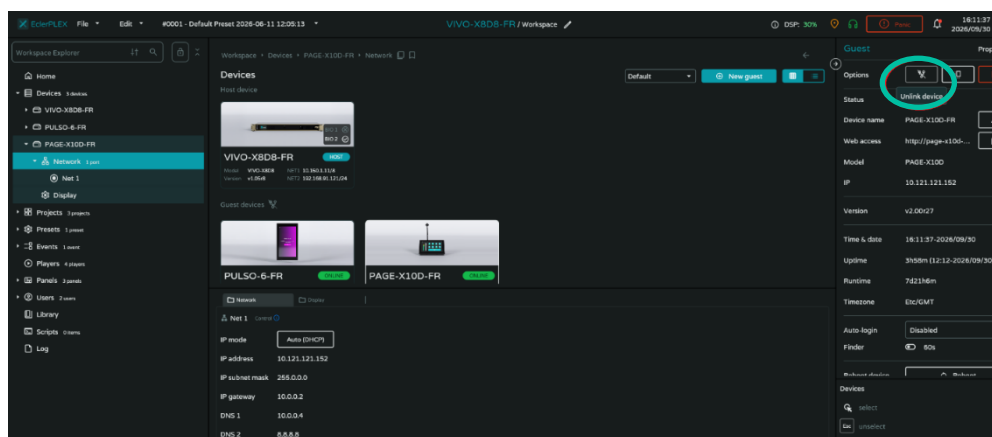
2. After the desired PAGE-X device has been selected, click the “Link” button to associate the physical device with the project.



! When a device is linked, all parameters stored in the HOST workspace overwrite those stored on the GUEST device, including the network settings. A confirmation dialog box is displayed before the operation is completed, allowing the operation to be confirmed or cancelled.



- Once linked, the PAGE-X device remains bound to its HOST until it is released using the "Unlink device" button or until a "Restore user apps" operation is performed from the PULSO boot-up menu.



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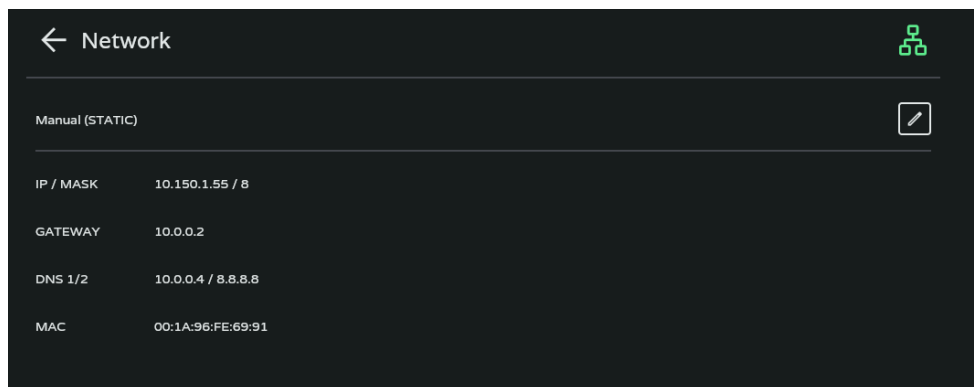
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8.3 Network Configuration

The network settings of the PAGE-X may be configured using any of the following methods:

1. PAGE-X4 and PAGE-X10D: From the PULSO Settings menu. (Refer to the PULSO Series User Manual).

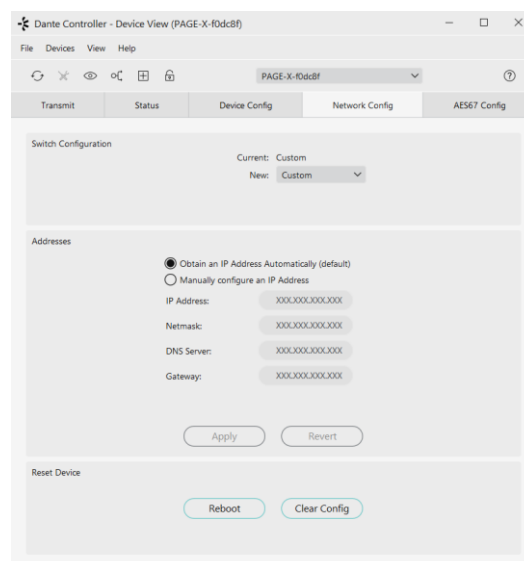


← Network

Manual (STATIC)

IP / MASK	10.150.1.55 / 8
GATEWAY	10.0.0.2
DNS 1/2	10.0.0.4 / 8.8.8.8
MAC	00:1A:96:FE:69:91

2. PAGE-X10D only: Through Dante Controller interface.



Dante Controller - Device View (PAGE-X10DcBf)

File Devices View Help

Transmit Status Device Config Network Config AES67 Config

Switch Configuration

Current: Custom
New: Custom

Addresses

☒ Obtain an IP Address Automatically (default)
☐ Manually configure an IP Address

IP Address: XXXXXXXXXX
Netmask: XXXXXXXXXX
DNS Server: XXXXXXXXXX
Gateway: XXXXXXXXXX

Apply Revert

Reset Device

Reboot Clear Config



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8.3.1 Changing the Network Settings

1. Ecler Discovery

Ecler Discovery allows modification of the device IP address without requiring changes to the PC network interface settings or access to the PULSO configuration.

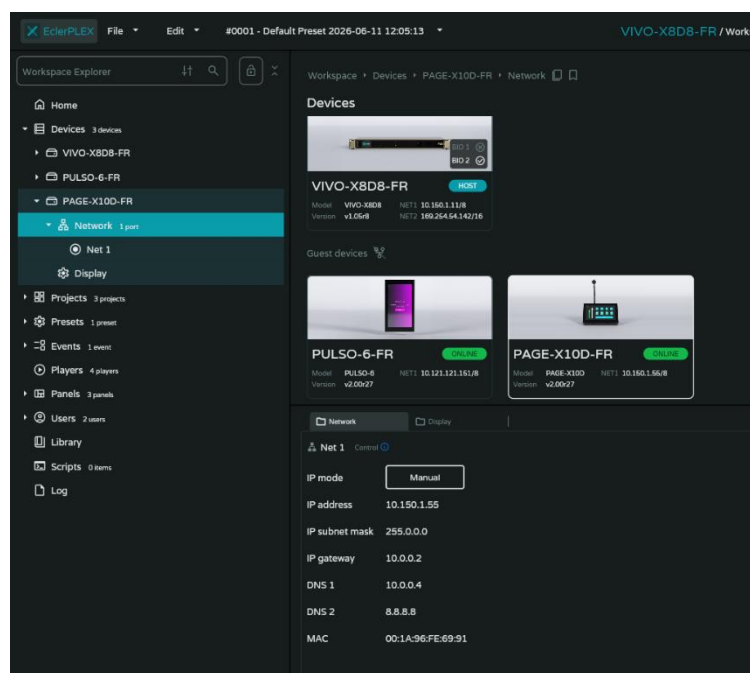
Ecler Discovery can be downloaded from the Software section of the corresponding PAGE-X product web page.

Device name	Model	Version	Web access	NET 1	NET 2	
11 PAGE-X10D-FR (GUEST)	PAGE-X10D	v2.00r27	http://PAGE-X10D-FR.local:80/ad...	10.150.155 00:1A:96:FE:69:91	N/A	Find
12 HALO-4B300-6F90	HALO-4B300	v1.01r1	http://HALO-4B300-6F90.local:80	10.121.121.130 00:1A:96:01:6F:90	---	Find
13 PULSO4-3631 (GUEST)	PULSO-4	v2.00r15	http://PULSO4-3631.local:80/ad...	10.150.0.134 3A:9F:20:8C:36:31	N/A	Find
14 VIDA-48Q	VIDA-48Q	v2.01r29	http://VIDA-48Q.local:80	10.48.48.4 D8:3A:DD:55:58:A4	---	Find
15 PULSO-10-4398 (GUEST)	PULSO-10	v2.00r16	http://PULSO-10-4398.local:80/a...	10.121.121.10 00:1A:96:FE:43:98	N/A	Find
16 VIVO-X0D32-660a (HOST)	VIVO-X0D32	v1.05r7	http://VIVO-X0D32-660a.local:80	10.121.121.77 00:1A:96:01:66:0A	---	Find
17 VIVO-X8D8-6951 (HOST)	VIVO-X8D8	v1.05r8	http://VIVO-X8D8-6951.local:80	10.121.121.31 00:1A:96:01:69:51	192.168.91.113 00:1A:96:01:69:52	Find
18 VIVO-X8D8-CLOUD (HOST)	VIVO-X8D8	v1.05r8	http://VIVO-X8D8-CLOUD.local:80	10.150.0.114 00:1A:96:01:69:53	---	Find
19 VIVO-X0D32-DEVSACK (HOST)	VIVO-X0D32	v1.05r8	http://VIVO-X0D32-DEVSACK.lo...	10.150.0.117 00:1A:96:01:66:11	192.168.91.111 00:1A:96:01:66:07	Find
20 PULSO-6-CLOUD (GUEST)	PULSO-6	v2.00r16	http://PULSO-6-CLOUD.local:80/_...	10.121.121.149 00:1A:96:FE:5A:E7	N/A	Find
21 HALO-4B300-6F76	HALO-4B300	v1.01r1	http://HALO-4B300-6F76.local:80	10.121.121.131 00:1A:96:01:6F:76	---	Find

46 devices found

2. EclerPLEX

The network settings can also be modified from the “Guest Devices” properties page within EclerPLEX.



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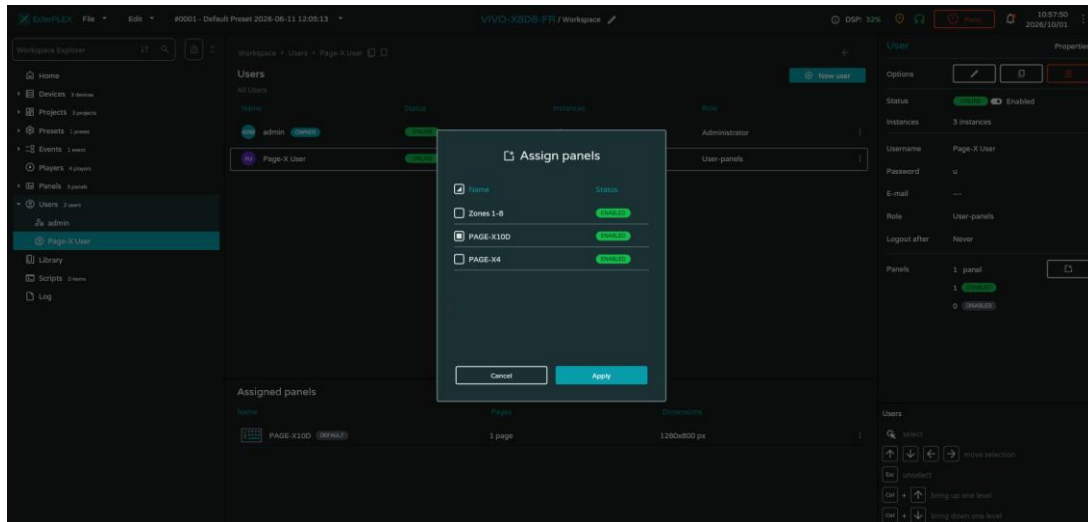
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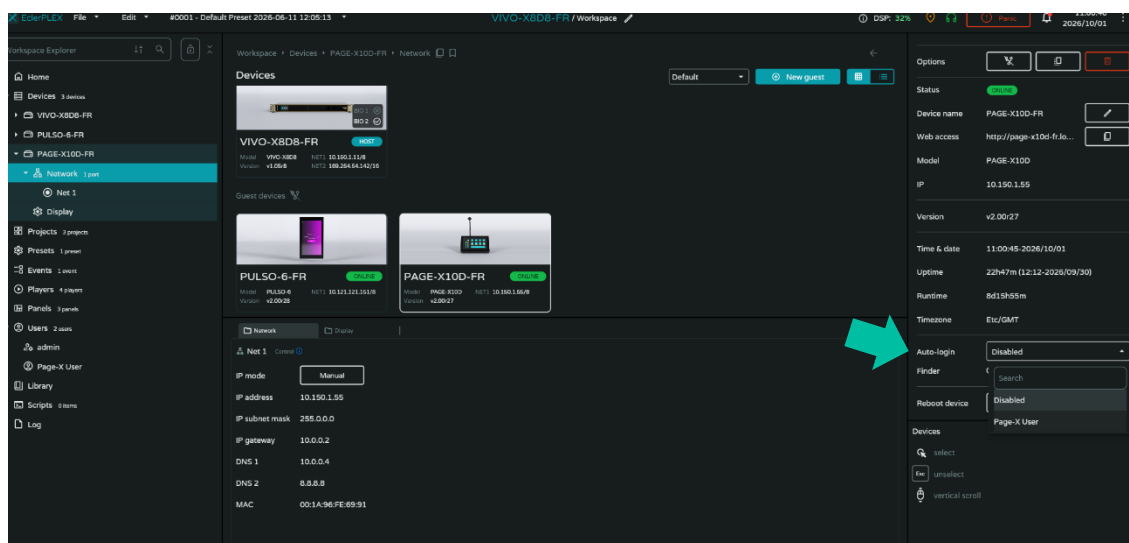
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9. ACCESSING EclerPLEX USER PANELS

Once a PAGE-X device has been linked to its HOST, access to the panels assigned to different users becomes available.



After a user has been created in the workspace and the corresponding panels have been assigned, the desired panels may be accessed either manually, by logging in from the paging station screen, or automatically through the “Auto-login” function.



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10. TECHNICAL DATA

10.1 Technical Specifications

10.1.1 PAGE-X4

PAGE-X4

SYSTEM	
Number of output channels	1 Mic Balanced
Number of input channels	1 Mic Balanced
Number of paging zones	Configurable via Ecler PLEX
Processor	Quad-Core ARM, up to 1.8GHz
MIC INPUTS	
Microphone type	Condenser
Polar pattern	Cardioid
Frequency response	80Hz-18KHz
Sensitivity	-32dB (0dB=1V/Pa at 1 kHz)
Phantom power	11 - 52 VDC (5mA typ.)
Input connection type	XLR
Filters	High-pass-filter: 100 Hz, 18 dB/oct
SCREEN/DISPLAY	
Size	4"
Resolution	480 x 480 pixels
Contrast Ratio	800:1
Brightness	350 cdm2
Scale	1:1
Display	4" IPS Active area 71.86(W) x 70.18(H) mm
Backlight	LED
Touch-panel	5 points capacitive touch panel
MONITORING AND CONTROL	
Buttons	Reboot and Factory Reset micro buttons
CONNECTIVITY	
Ethernet	1 x RJ45 connector, cable: Cat-5e or better 10 /100Mb, 1GB Auto X-Over Supports PoE
Programming and control	Ecler PLEX Guest for Panels
ELECTRICAL	
Power supply	DC 12V-24V 2A & PoE (Power Supply Not Included)
PoE	Class 0 802.3af Poe PD compliant
Max power consumption	6W
PHYSICAL	
Type	Control touch panel
Format	Desktop Paging Station
Installation options	Desktop
Operating temperature	Min: -10°C / 14°F Max: 60°C / 140°F
Operating humidity	≤75% HR
Storage temperature	Min: -20°C / -4°F Max: 70°C / 158°F
Storage humidity	≤75% HR
Included accessories	3-pin Euroblock Connector



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Optional accessories	PSU-24V2A
Dimensions (WxHxD)	120 x 100 x 95 mm / 4.72 x 3.94 x 3.74 in.
Weight	0.45 Kg / 0.99 lb
Shipping dimensions (WxHxD)	430 x 115 x 165 mm / 16.93 x 4.53 x 6.50 in.
Shipping weight	0.93 Kg / 2.05 lb

10.1.2 PAGE-X10D

PAGE-X10D

SYSTEM	
Number of output channels	1 Line + 2 Dante®/AES67
Number of input channels	1 Mic + 1 Line (Stereo Sum)
Number of paging zones	Configurable via Ecler PLEX
Processor	Quad-Core ARM, up to 1.8GHz
MIC INPUTS	
Microphone type	Condenser
Polar pattern	Cardioid
Frequency response	80Hz-18KHz
Sensitivity	-32dB (0dB=1V/Pa at 1 kHz)
Phantom power	11 - 52 VDC
Input connection type	XLR
Filters	High-pass-filter: 100Hz, 12dB/oct ON/OFF by internal jumper or 100 Hz, 18 dB/oct on the MIC
LINE INPUTS	
Input connection type	RCA stereo (sum to mono on Dante CH2)
Input sensitivity	-10dBV
Input Gain	-20dBV / 0dBV
Input impedance	>10kΩ
LINE OUTPUTS	
Output connection type	Euroblock, 3-pin, balanced
AUDIO OVER IP	
Protocols	Dante®/AES67 (2 flows)
Number of digital output ports	2
Interfaces	1 x RJ45
Latency	1 / 2 / 5 ms (selectable)
SCREEN/DISPLAY	
Size	10"
Resolution	1280 x 800 pixels
Contrast Ratio	1000:1
Brightness	500 cdm2
Scale	16:9
Display	10" IPS Active area 216.58(W) x 135.36(H) mm
Backlight	LED
Touch-panel	10 points capacitive touch panel
MONITORING AND CONTROL	
Buttons	Reboot and Factory Reset micro buttons



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CONNECTIVITY		
Ethernet		1 x RJ45 connector, Ethernet Base-Tx 10/100Mb / 1GB CAT5e or better up to 100m. Supports PoE.
Programming and control		Ecler PLEX Guest for Panels
ELECTRICAL		
Power supply		DC 12V-24V 2A & PoE (Power Supply Not Included)
PoE		Class 0 802.3af Poe PD compliant
Max power consumption		12W from 12V External Power Supply Voltage 15W from PoE
PHYSICAL		
Type		Control touch panel
Format		Desktop Paging Station
Installation options		Desktop
Operating temperature		Min: -10°C / 14°F Max: 60°C / 140°F
Operating humidity		≤75% HR
Storage temperature		Min: -20°C / -4°F Max: 70°C / 158°F
Storage humidity		≤75% HR
Included accessories		3-pin Euroblock Connector
Optional accessories		PSU-24V2A
Dimensions (WxHxD)		260 x 145 x 165 mm / 10.24 x 5.71 x 6.50 in.
Weight		1.775 Kg / 3.91 lb
Shipping dimensions (WxHxD)		430 x 160 x 235 mm / 16.93 x 6.30 x 9.25 in.
Shipping weight		2.46 Kg / 5.42 lb



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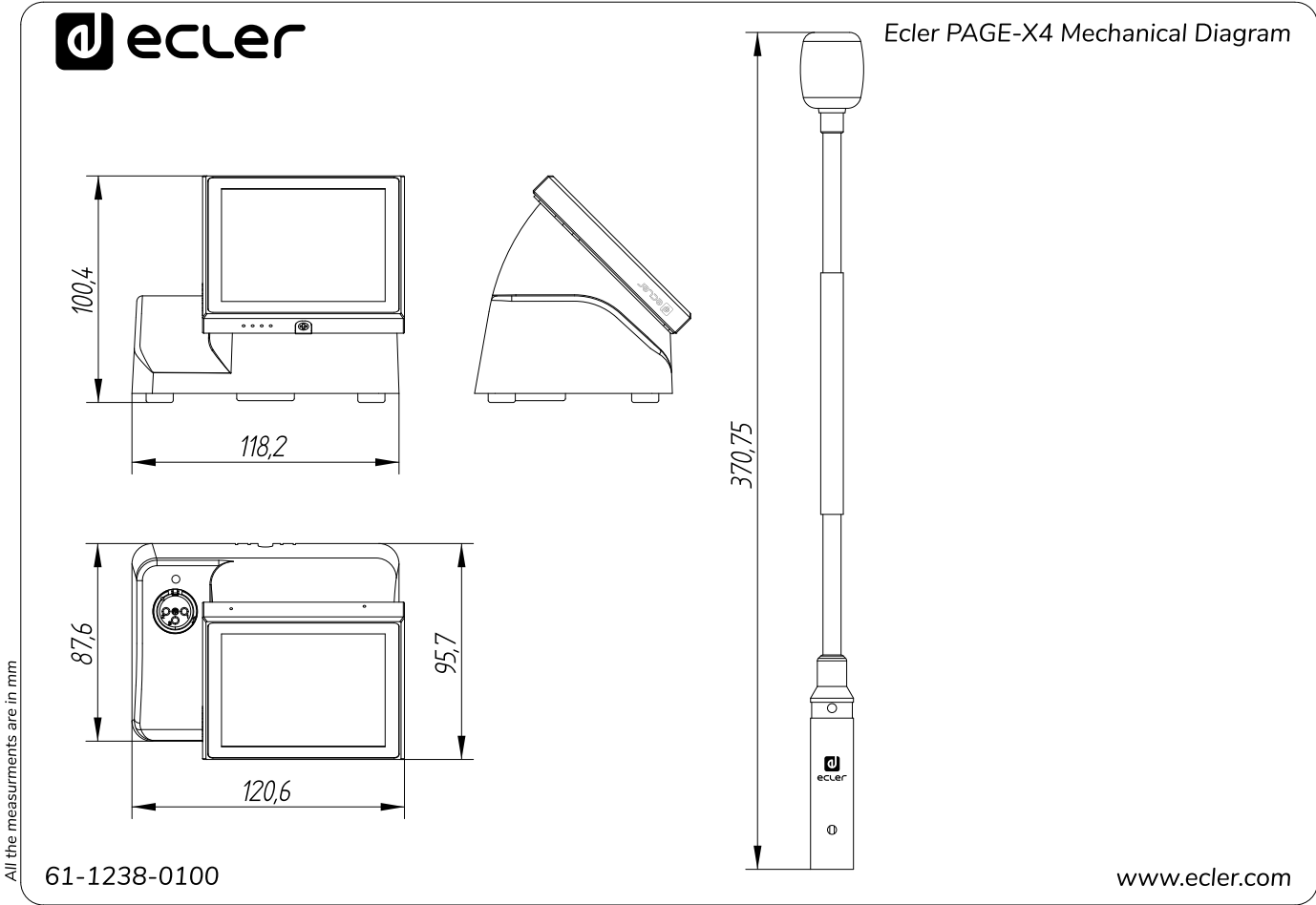
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10.2 Mechanical Diagram

10.2.1 PAGE-X4

All measurements are in mm.



All the measurements are in mm

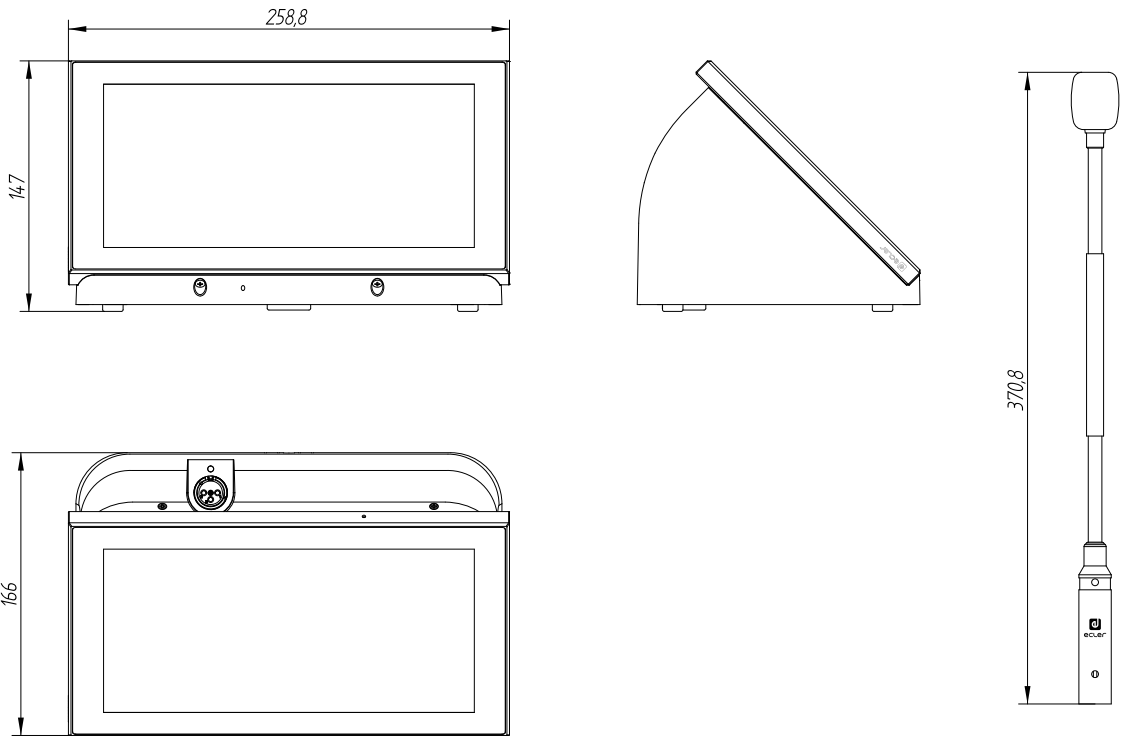

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10.2.2 PAGE-X10D

All measurements are in mm.



Ecler PAGE-X10D Mechanical Diagram



All the measurements are in mm

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