



User Guide



RISE

HDCP compliant monitors for on-wall information

Technology Serving Design

Danish craftsmanship
Mediterranean soul


ARTHUR HOLM

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WELCOME

Thank you very much for purchasing an Arthur Holm product.

Please, read these installation and operating instructions carefully and keep them in a safe place for future consultations.

We remain at your entire disposal if you have any suggestions.

Henrik Holm

General Manager

hholm@albiral.com

ABOUT US

The Company

Arthur Holm has its origins in the Danish furniture designer Jorgen Alex Jensen, who was active during the sixties and the seventies. His design inspiration and his concept of ergonomics have been continued by his family, who is the design force behind Arthur Holm product range. The result of combining Scandinavian design tradition with Mediterranean creativity, flexibility and emotion is a wide product range built on more than 25 years of craftsmanship.

Arthur Holm offers a professional product range where tomorrow's technology is shaped into valued materials with design flexibility and customisation, specially created to enhance communication in reception, collaboration, conference and meeting areas.

The art of customisation

Arthur Holm offers a range of ingenious products whose designs are based on quality materials and the latest technology. Products which endow meeting and conference rooms with silent, ergonomic, innovative and aesthetic solutions that integrate into the furniture, hang from the walls as works of art or are used as interactive points of information.

The world of Arthur Holm

Arthur Holm offers a selection of unique, elegant, versatile, flexible and ergonomic products that are being used in meeting and conference rooms, reception areas, huddle rooms, control rooms, auditoriums and public zones of leading companies throughout the world.

The numbers speak for themselves! We currently own 33 product patents, have presence in over 45 countries with products and solutions in more than 25,000 installations.

It will be our pleasure to work with you, designing your unique and personalised environment. Our broadcast electronic engineers will provide the latest technology while our design team will offer you the most exclusive appearance.

Our team puts its heart, passion and pride in all our designs.

EC REGULATIONS AND SECURITY



ATTENTION: Do not disassemble or modify the device in any way. This symbol warns of the presence of dangerous un-insulated voltages inside some of the components, of sufficient magnitude to expose people to risk of electronic shock.



This symbol draws attention to important use and maintenance instructions in the manual that accompanies the unit.



This symbol indicates that the equipment conforms to the norms established by the European Community.



This symbol indicates D.C. current.

SAFETY INSTRUCTIONS

Plugs

- Do not dismantle any part of the monitor power connector.
- Disconnect the power plug from the AC outlet when the monitor is not going to be used for an indefinite period of time.

Power and extensions cords

- Use the appropriate power cord with the correct plug type.
- Do not overload wall outlets or power cords.
- Make sure the total ampere passed through an extension cord does not exceed the maximum allowed by the cable used.
- Do not place anything on the power cord.
- Do not locate this product where a person may walk or trip over the cord.

SAFETY INSTRUCTIONS



Wiring connected to hazardous voltage requires installation by qualified personnel or the use of ready-made flexible cables.



For your security, your equipment must be connected to an electrical outlet with grounding connection protection.

Since the plug is used to disconnect the device, the operating electrical outlet must be in an easily accessible place.

Environment

- Install the equipment in a ventilated area.
- Avoid exposing the equipment to:
 - Rain or water
 - Excessive heat, cold or humidity
 - Area exposed to direct sunlight
 - Dirty areas
 - Equipment generating strong magnetic fields
- Avoid placing open containers of liquid, near the equipment.
- Keep a minimum distance of 30 mm in order to have good ventilation.
- Never place above the device any sources of flames such as lighted candles, etc.
- If you are using the device in extreme weather conditions and/or tropical climates, the equipment should be installed in a room which ensures a reasonable level of temperature and humidity.
- To prevent damage the equipment must be firmly anchored to the surface, as shown on the installation instructions.

SYSTEM DESCRIPTION

General

Rise monitors are ideal to offer relevant meetings information when placed outside a conference or purpose- built room, where they will undoubtedly catch the eye of the public. They can show details about the session taking place inside, being extremely helpful and engaging for attendees to know schedules, programmes or other general information of interest. Rise monitors become an entertaining feature standing out in these spaces while acting as an interactive communication display for users.

The displays are robust and resistant, all set for the busy areas where they are installed. These monitors serve users with advanced technology ready to play in a very own and useful way, adding a distinctive smart touch to their time in a particular building or meeting and working up an awesome experience to remember.

Highlights

- On- wall installation
- Brushed stainless steel/ Aluminium/ Glass front frame (depending on the model)
- Integrated wall mount
- Security anti-theft locking system
- Maintenance free
- Easy to install
- Energy saving design

SYSTEM DESCRIPTION

Available Models

MODEL	DESCRIPTION
AH12RI/ AH12RA/ AH12RG	HDCP compliant 12.1" widescreen monitor finished with a stainless steel (I), aluminium (A) or Glass (G) front frame for on-wall integration, DVI-I and DVI-D inputs.
AH15RI/ AH15RA/ AH15RG	HDCP compliant 15.6" widescreen monitor finished with a stainless steel (I), aluminium (A) or Glass (G) front frame for on-wall integration, DVI-I and DVI-D inputs.
AH17RI/ AH17RA/ AH17RG	HDCP compliant 17.3" widescreen monitor finished with a stainless steel (I), aluminium (A) or Glass (G) front frame for on-wall integration, DVI-I and DVI-D inputs.
AH19RI/ AH19RA/ AH19RG	HDCP compliant 18.5" Full HD monitor finished with a stainless steel (I), aluminium (A) or Glass (G) front frame for on-wall integration, DVI-I and DVI-D inputs.
AH22RI/ AH22RA/ AH22RG	HDCP compliant 21.5" Full HD monitor finished with a stainless steel (I), aluminium (A) or Glass (G) front frame for on-wall integration, DVI-I and DVI-D inputs.

Options

AH12RI/A/G	AH15RI/A/G	AH17RI/A/G	AH19RI/A/G	AH22RI/A/G
CL Laser engraved logo	CL Laser engraved logo	CL Laser engraved logo	CL Laser engraved logo	CL Laser engraved logo
TS12016 - Not available for Glass models (G) Projected capacitive multitouch screen	TS15HD - Not available for Glass models (G) Projected capacitive multitouch screen	TS170HD - Not available for Glass models (G) Projected capacitive multitouch screen	TS190HD - Not available for Glass models (G) Projected capacitive multitouch screen	TS22010 - Not available for Glass models (G) Projected capacitive multitouch screen
PC Built-in fan less industrial PC board	PC Built-in fan less industrial PC board	PC Built-in fan less industrial PC board	PC Built-in fan less industrial PC board	PC Built-in fan less industrial PC board

SYSTEM DESCRIPTION

Box Contents

Before the installation of your retractable monitor, please check the contents of the shipping box, it must contain the following items:

- Monitor
- Galvanised in-wall mounting box
- Power cord
- Power supply 100-240Vac, 50-60Hz. Output 12V
- User Manual

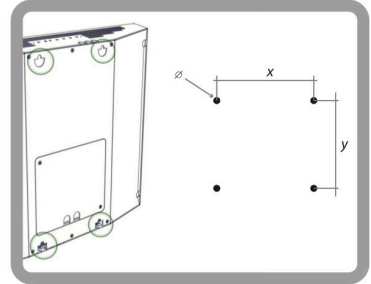
Important note: This device can only work with the power supply included in the shipping box. This power supply can not be replaced by any other rather than the original one.

INSTALLATION INSTRUCTIONS

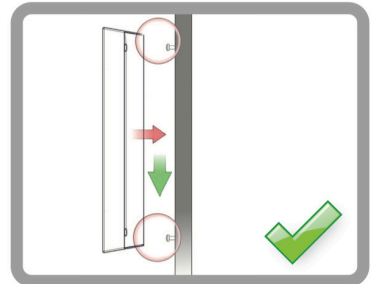
Rise installation guide

1.- The first step is to mark the 4 points required to fix the x4 screws. Please note that an alternative fastening x may be required depending on the wall's material.

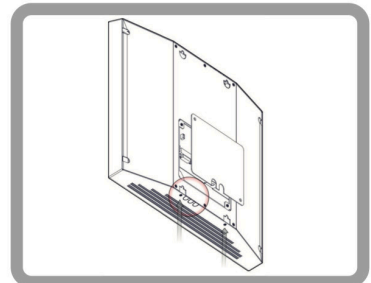
Drill the holes and place the screws according to the hole diameter as described in the General Dimensions document.



2.- To hang the monitor, place onto the wall and align it with the screws, making sure the monitor fits onto them, then slide it carefully down.

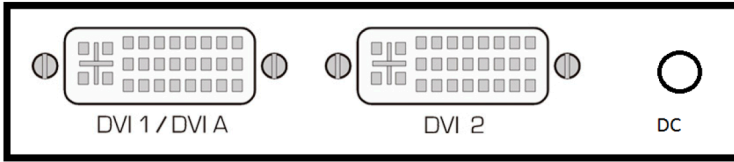


3.- To make the connections the central cover must first be removed (as shown). Next the cables can be passed through the openings on the cover (or by removing the punch out holes, and passing them through there).



Then the screws underneath the monitor can be tightened to keep the monitor securely in place on the wall.

INPUT CONNECTORS



12V D.C.: Power supply input connector.

DVI 1 / DVI A: DVI-I input signal. Connect a DVI (digital) input signal and select DVI 1 on the OSD monitor menu. Use a DVI to VGA adaptor to connect an ARGB (analogue) input signal and select DVI-A on the OSD monitor menu.

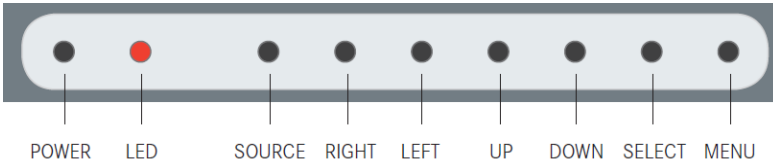
DVI 2: DVI-D input signal. Connect a DVI (digital) input signal and select DVI 2 on the OSD monitor menu. Use high quality DVI cables with 2m maximum length.

Use high quality DVI cables with 2m maximum length

CONTROLS

OSD monitor control

The OSD buttons, to control or configure the monitor, are located at the lower body housing of the system

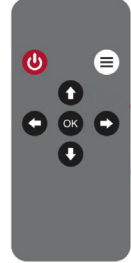


POWER	Monitor power on/off
LED	Indicates operation status
SOURCE	Signal input selection
RIGHT	Moves the cursor right in the OSD menu
LEFT	Moves the cursor left in the OSD menu
UP	Moves the cursor up in the OSD menu
DOWN	Moves the cursor down in the OSD menu
SEL	Selects the OSD menu function
MENU	Activates the OSD menu on screen. Exits the OSD menu when is active

CONTROLS

Remote control

POWER	Switch ON/OFF the monitor
MENU	Activates the OSD menu on screen
UP	Control up on the OSD menu
DOWN	Control down on the OSD menu
LEFT	Control left on the OSD menu
RIGHT	Control right on the OSD menu
OK	Selects the function on the OSD menu. When the OSD menu is not active on screen, selects the input source



OSD MENU

Accessing the menu system

- With the OSD off, push the MENU button to activate the main OSD menu.
- Press the UP and DOWN buttons to move from one function to another. Please refer to the following sections below to view a complete list of all the functions available for the monitor.
- Press the OK button to confirm.
- When a function is selected, press the LEFT and RIGHT buttons in order to change the parameter of the function.

Press the MENU button to access to the main menu.

Picture

Picture Mode: Adjusts the mode of the image

- Dynamic
- Standard
- Mild
- User: Contrast - Brightness - Colour - Sharpness - Tint

Colour Temperature: Adjusts the colour of the image

- Cool
- Medium
- Warm
- Use: Red - Green - Blue

Aspect Ratio: Adjusts the image aspect on screen

- 4:3
- 16:9
- Just scan

OSD MENU

Noise Reduction: Adjusts the image noise filter

- Off
- Low
- Medium
- High
- Default

Screen: (Only for analogue signals)

- Auto Adjust
- Horizontal Position
- Vertical Position
- Size
- Phase

Backlight: Adjusts the backlight screen's level

Colour Range: Adjusts the colour range

- 0 - 255
- 16 - 235

OSD MENU

Option

Language: OSD language selection

Restore Factory Default: Adjusts the parameters to the initial factory parameters

Blending: OSD window transparency

- Low
- Medium
- High
- Off

OSD Duration: Adjusts the time that the OSD menu window remains on the screen

Software Update (USB): Port to use for firmware's upgrade.

Mirror:

0. Image with no flip
1. Vertical flip
2. Horizontal flip
3. Rotate

VIDEO SIGNALS

AH12 RA Wide/AH12 RI Wide/AH12 RG Wide

RESOLUTION	Horizontal freq (KHz)	Vertical freq (Hz)	Scanning type
800x600@60Hz	37.879	60.317	Progressive
800x600@72Hz	48.077	72.188	Progressive
800x600@75Hz	46.875	75.000	Progressive
1024x768@60Hz	48.363	60.005	Progressive
1024x768@70Hz	56.476	70.070	Progressive
1024x768@75Hz	60.023	75.030	Progressive
1360x768@60Hz	47.720	59.799	Progressive

AH15 RA Wide FHD/AH15 RI Wide FHD/AH15 RG Wide FHD

RESOLUTION	Horizontal freq (KHz)	Vertical freq (Hz)	Scanning type
800x600@60Hz	37.879	60.317	Progressive
800x600@72Hz	48.077	72.188	Progressive
800x600@75Hz	46.875	75.000	Progressive
1024x768@60Hz	48.363	60.005	Progressive
1024x768@70Hz	56.476	70.070	Progressive
1024x768@75Hz	60.023	75.030	Progressive
1280x720@60Hz	44.697	59.915	Progressive
1280x720@60Hz	47.396	59.995	Progressive
1360x768@60Hz	47.720	59.799	Progressive
1280x1024@60Hz	63.981	60.020	Progressive
1680x1050@60Hz	65.160	59.944	Progressive
1600x1200@60Hz	74.479	59.967	Progressive
1920x1080@60Hz	67.500	60.000	Progressive

VIDEO SIGNALS

AH17 RA Wide FHD/AH17 RI Wide FHD/AH17 RG Wide FHD

RESOLUTION	Horizontal freq (KHz)	Vertical freq (Hz)	Scanning type
800x600@60Hz	37.879	60.317	Progressive
800x600@72Hz	48.077	72.188	Progressive
800x600@75Hz	46.875	75.000	Progressive
1024x768@60Hz	48.363	60.005	Progressive
1024x768@70Hz	56.476	70.070	Progressive
1024x768@75Hz	60.023	75.030	Progressive
1280x720@60Hz	44.697	59.915	Progressive
1280x720@60Hz	47.396	59.995	Progressive
1360x768@60Hz	47.720	59.799	Progressive
1280x1024@60Hz	63.981	60.020	Progressive
1680x1050@60Hz	65.160	59.944	Progressive
1600x1200@60Hz	74.479	59.967	Progressive
1920x1080@60Hz	67.500	60.000	Progressive

AH19 RA Wide FHD/AH19 RI Wide FHD/AH19 RG Wide FHD

RESOLUTION	Horizontal freq (KHz)	Vertical freq (Hz)	Scanning type
800x600@60Hz	37.879	60.317	Progressive
800x600@72Hz	48.077	72.188	Progressive
800x600@75Hz	46.875	75.000	Progressive
1024x768@60Hz	48.363	60.005	Progressive
1024x768@70Hz	56.476	70.070	Progressive
1024x768@75Hz	60.023	75.030	Progressive
1280x720@60Hz	44.697	59.915	Progressive
1280x720@60Hz	47.396	59.995	Progressive
1360x768@60Hz	47.720	59.799	Progressive
1280x1024@60Hz	63.981	60.020	Progressive
1680x1050@60Hz	65.160	59.944	Progressive
1600x1200@60Hz	74.479	59.967	Progressive
1920x1080@60Hz	67.500	60.000	Progressive

VIDEO SIGNALS

AH22 RA/AH22 RI/AH22 RG

RESOLUTION	Horizontal freq (KHz)	Vertical freq (Hz)	Scanning type
800x600@60Hz	37.879	60.317	Progressive
800x600@72Hz	48.077	72.188	Progressive
800x600@75Hz	46.875	75.000	Progressive
1024x768@60Hz	48.363	60.005	Progressive
1024x768@70Hz	56.476	70.070	Progressive
1024x768@75Hz	60.023	75.030	Progressive
1280x720@60Hz	44.697	59.915	Progressive
1280x720@60Hz	47.396	59.995	Progressive
1360x768@60Hz	47.720	59.799	Progressive
1280x1024@60Hz	63.981	60.020	Progressive
1680x1050@60Hz	65.160	59.944	Progressive
1600x1200@60Hz	74.479	59.967	Progressive
1920x1080@60Hz	67.500	60.000	Progressive

INFORMATION ON DISPOSAL FOR USERS OF WASTE ELECTRICAL & ELECTRONIC EQUIPMENT



This symbol on the products and/or accompanying documents means that used electrical and electronic products should not be mixed with general household waste.

For proper treatment, recovery and recycling, please take these products to the designated collection points, where they will be accepted on a free of charge basis. Alternatively, in some countries, you may be able to return your products to your local retailer upon the purchase of an equivalent new product.

Disposing of this product correctly will help save valuable resources and prevent any potential negative effects on human health and the environment, which could otherwise arise from inappropriate waste handling. Please contact your local authority for further details of your nearest designated collection point.

Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.

For business users in the European Union

If you wish to discard electrical and electronic equipment, please contact your dealer or supplier for further information.

Information on disposal in countries outside the European Union

This symbol is only valid in the European Union. If you wish to discard this product, please contact your local authorities or dealer and ask for the correct method of disposal.

WARRANTY TERMS AND CONDITIONS

Albiral Display Solutions warrants this product against manufacturing defects and workmanship for a period of two (2) years from the date of purchase, subject to the conditions below.

1. LCD panel, inverter, controller, electrical, electronic boards, engine, mechanical parts, accessories and power supply are warranted against manufacturing defects and workmanship for a period of two (2) years from the date of purchase.

2. LCD panels that present more than 3 defective pixels (15-19") and more than 4 defective pixels (20-24") will be replaced under warranty.

3. Labour costs: Albiral Display Solutions covers the labour costs to replace any defective parts during the validity of this warranty.

4. Transport costs:

I) In the case that a manufacturing defect occurs within 90 days after the purchase date, both freight and insurance costs will be paid by Albiral Display Solutions.

Although Albiral Display Solutions pays for transport and insurance cost, Albiral Display Solutions will not be responsible for the damages caused by transport if the customer does not inform in writing immediately when receiving the goods.

II) After 90 days of the purchase date, the beneficiary of the warranty will pay both freight and insurance costs.

Albiral Display Solutions will not be responsible for the damages caused by transport, when the customer pays this.

5. This warranty does not cover the labour costs of handling, diagnose, remove, replace, reinstall and/or program any product, force majeure causes such as vandalism or stealing.

WARRANTY TERMS AND CONDITIONS

6. This warranty does not apply if the fault has been caused by misuse, improper handling, electrical or mechanical abuse, abnormal operation conditions, non-authorized modifications, and inadequate transport or as a result of atmospheric phenomena.

7. The warranty is not valid if persons other than authorized Service Centre have handled the product and if the product has been manipulated or warranty seals are removed or manipulated.

8. The beneficiary of the warranty will have to send the devices with the original packaging to warranty there are no damages during the transport.

9. The warranty is not valid if the beneficiary of the warranty does not include RMA form and copy of the purchasing invoice.

Please note that laws vary from country to country, and the same provisions of this warranty may not apply to you.

If you have any doubts concerning the terms of this warranty, please contact:

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Patents

MU17180ES00	P27178ITEP
MU17301ES00	P27178RUPC
MU17322ES00	P27178USPC
MU17413ES00	P27284DEEP
MU17445ES00	P27284EPPC
MU17854ES00	P27284ESEP
MU17868DEPC	P27284GBEP
MU17868RUPC	P27284RUPC
P24821DEEP	P27284USPC
P24821ESEP	P27715ESEP
P24821GBEP	P28089DEEP
P24821USPC	P28089ESEP
P27178DEEP	P28089ITEP
P27178EPDV01	P28089USPC
P27178EPPC	P28090EP00
P27178ESEP	P31160ESES
	P31160PCES