



## User Guide



### AH1

HDCP compliant manually foldable professional monitors

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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

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## **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, 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 and collaboration in reception, 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, 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.

## 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.
- The power plug must be connected to an easily accessible socket to disconnect the equipment.
- This equipment should not be installed in areas where children are present.

## SAFETY INSTRUCTIONS

A monitor set may fall, causing serious personal injury or death. Many injuries, particularly to children, can be avoided by taking simple precautions such as:

- ALWAYS use cabinets or stands or mounting methods recommended by the manufacturer of the monitor set.
- ALWAYS use furniture that can safely support the monitor set.
- ALWAYS ensure the monitor set is not overhanging the edge of the supporting furniture.
- ALWAYS educate children about the dangers of climbing on furniture to reach the monitor set or its controls.
- ALWAYS route cords and cables connected to your monitor so they cannot be tripped over, pulled or grabbed.
- NEVER place a monitor set in an unstable location.
- NEVER place the monitor set on tall furniture (for example, cupboards or bookcases) without anchoring both the furniture and the monitor set to a suitable support.
- NEVER place the monitor set on cloth or other materials that may be located between the monitor set and supporting furniture.
- NEVER place items that might tempt children to climb, such as toys and remote controls, on the top of the monitor or furniture on which the monitor is placed.

If the existing monitor set is going to be retained and relocated, the same considerations as above should be applied.



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.

## SYSTEM DESCRIPTION

### Environment

- Install the equipment on an elevated, flat surface.
- 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.

### General

AH1 is a manually foldable aluminium monitor for desktops with anodised finish and a dark iron base. They include an anti-glare protection glass with a stylish black frame.

AH1 desktop monitor is the ideal solution for auditoriums, tele presence, training rooms, meeting and conference rooms and information counters. With a height that can be easily adjusted, they do not require structural changes on the table surface.

### Highlights

- Milled aluminium with a iron base
- Manually foldable
- Totally adjustable position
- No need to modify desk surface
- USB pass through
- Maintenance free

# SYSTEM DESCRIPTION

## Available Models

MODEL	DESCRIPTION
<b>AH12TX16GA</b>	HDCP compliant manually foldable 12,1" widescreen aluminium monitor with anodised finishing and black iron base. DVI-I and DVI-D inputs.
<b>AH17TXHDGA</b>	HDCP compliant manually foldable 17,3" FULL HD aluminium monitor with anodised finishing and black iron base. DVI-I and DVI-D inputs. USB passthrough.
<b>AH22TX16GA</b>	HDCP compliant manually foldable 21,5" FULL HD aluminium monitor with anodised finishing and black iron base. DVI-I and DVI-D inputs. USB passthrough.

## Options

AH12TX16GA	AH17TXHDGA	AH22TX16GA
<b>CL (Min.5 units)</b> Laser engraved logo	<b>CL (Min.5 units)</b> Laser engraved logo	<b>CL (Min.5 units)</b> Laser engraved logo
	<b>TS170HDG</b> Projected capacitive multitouch screen	<b>TS2216G</b> Projected capacitive multitouch screen
<b>CABAH1 (Min.10 units)</b> Black anodised	<b>CABAH1 (Min.10 units)</b> Black anodised	<b>CABAH1 (Min.10 units)</b> Black anodised
<b>GFAH1 (Min.10 units)</b> Gold finish	<b>GFAH1 (Min.10 units)</b> Gold finish	<b>GFAH1 (Min.10 units)</b> Gold finish
<b>BFAH1 (Min.10 units)</b> Bronze finish	<b>BFAH1 (Min.10 units)</b> Bronze finish	<b>BFAH1 (Min.10 units)</b> Bronze finish



## SYSTEM DESCRIPTION

- Energy saving design

### Box Contents

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


- Monitor
- Power cord
- Power supply 100-2 40Vac, 50-60Hz. Output 12V
- User guide

**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.

# SYSTEM DESCRIPTION

## Connections

### Power Connection:

1. Plug the power cable from the power supply into an AC socket of 100-240 Vac, 50-60Hz.
2. Plug the 12Vdc cable into the socket on the unit. 

### Signal Connection:

1. Use the DVI-I input to connect a DVI-D signal or an analog RGB signal (VGA).
2. Plug the DVI-D connector to a DVI-D signal.



Use high quality DVI cables with 2m maximum length.

## Trouble shooting

### The monitor doesn't turn on:

Check the power connections at the AC plug to the DC plug on the unit.

### No input signal:

Check the input signal cables.

### No image is displayed:

Check the status of the brightness, contrast and colour controls.

### Bad quality image:

Check the input signal cable. Try to auto adjust the image or reset the controller.

### Other problems:

Please, contact your distributor.

## MONITOR HANDLING



To adjust the inclination of the monitor, hold it by its sides and move it.

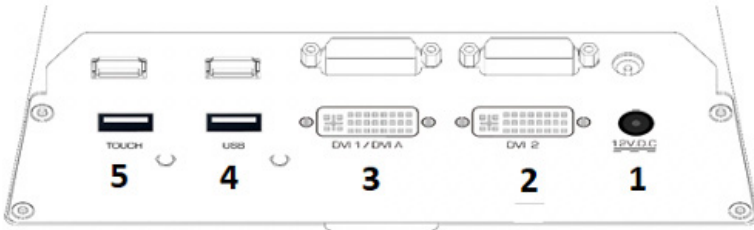


The monitor has rubber bumper feet fitted on the base to stop the monitor sliding on the table surface.



The cables can be secured to the plate with two phillips screws to avoid them getting under the stand.

# INPUT CONNECTORS



**(1) 12V D.C.:** Power supply input connector.

**(2) DVI 2:** DVI-D input signal. Connect a DVI (digital) input signal and select DVI 2 on the OSD monitor menu.

**(3) 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 adapter to connect an ARGB (analogue) input signal and select DVI-A on the OSD monitor menu.

- Use high quality DVI cables with 2m maximum length.

**(4) USB:** USB-A extended connector. On the left side of the monitor housing, there is also a USB-A connector. Not available for 12" model.

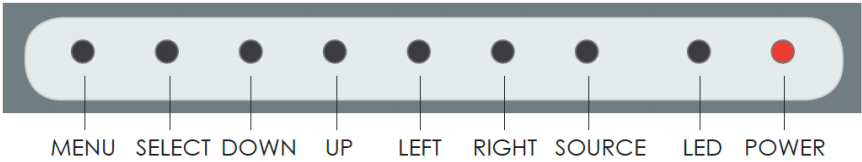


**(5) TOUCH:** USB touch screen connector (optional).

# CONTROLS

## OSD monitor control

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



MENU	Activates the OSD menu on screen. Exits the OSD menu when is active
SEL	Selects the OSD menu function
UP	Moves the cursor up in the OSD menu
DOWN	Moves the cursor down in the OSD menu
LEFT	Moves the cursor left in the OSD menu
RIGHT	Moves the cursor right in the OSD menu
SOURCE	Signal input selection [No function in this model]
LED	Indicates operation status
POWER	Monitor power on/off

## 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
- User: Red - Green - Blue

## OSD MENU

Aspect Ratio: Adjusts the image aspect on screen

- 4:3
- 16:9
- Zoom1
- Zoom2
- Just scan

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

### AH12TX16GA

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
1280x768@60Hz	47.396	59.995	Progressive
1360x768@60Hz	47.720	59.799	Progressive

### AH17TXHDGA / AH22TX16GA

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	44.772	59.855	Progressive
1360x768@60Hz	47.720	59.799	Progressive
1280x1024@60Hz	63.981	60.020	Progressive
1600x1200@60Hz	75.000	60.000	Progressive
1680x1050@60Hz	64.742	59.946	Progressive
1920x1080@60Hz	66.647	59.980	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, accessories and power supply are warranted against manufacturing defects and workmanship for a period of two (2) years from the date of purchase.

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

3. Transport costs:

3.1 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 S.L. pays for freight and insurance costs, Albiral Displays Solutions will not be responsible for any damages caused by the transportation of the goods if the customer does not inform in writing when receiving the goods.

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

Albiral Display Solutions S.L. will not be responsible for any damages caused by transportation, when this one is paid by the customer.

## WARRANTY TERMS AND CONDITIONS

4. This warranty does not cover the labour costs of handling, diagnose, removal, replacement, reinstall and/or program any product.

5. 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.

6. 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.

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

8. 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
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P27178EPPC	P28090EP00
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