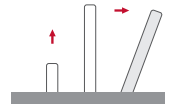


## DynamicX2Talk

HDCP compliant aluminium retractable motorised monitor with integrated independent microphone lift system



This picture corresponds to a customised version of DynamicX2Talk

### FEATURES

- Aluminium retractable monitor with an independent microphone lift
- Vertical motorised monitor with up to 20° inclination
- Patented single engine mechanism for up/down and tilt movements
- Stainless steel customisable cover plate
- Front double sided anti-reflective 2 sides coating 3 mm black edged glass
- PA and Conference working mode
- Interactive Setup Display (ISD)
- 360° LED lighting ring to indicate microphone status
- Maintenance free
- HDCP compliant
- Energy saving design, low consumption video controller
- Serial control and remote diagnosis
- Wireless connectivity for setup and control
- Individual monitor addressing
- Auto Mechanical Movement Calibration (AH-AMMC)

### GENERAL

Arthur Holm DynamicX2Talk is a motorised retractable product range that includes an independent lift for gooseneck microphones. The retractable monitor provides silent, reliable and harmonic movements by the use of a patented solution with one only engine. This automatic system is equipped with a variable speed system to raise, lower and tilt 20° to ensure the best ergonomics, viewing angle and visibility. The integrated independent lift system for microphones provides a rounded microphone coverlid and it not only makes the microphone disappear within the desk surface, but it also provides a pleasant light to indicate its status. Thanks to its protective and patented lighting ring, the microphones can be safely stored and protected making meeting and conference spaces more flexible and versatile. This system provides two different working modes: PA and Conference. When in PA mode, a push button placed on the stainless steel cover plate allows to activate or de-activate the microphone and the LED ring will indicate the status by changing colour from red to green.

The system will automatically silence the microphone when retracting. When in conference mode, the microphone will be always active and both, the light ring and the access to the push button on the cover plate, will be available via GPI and GPO for remote control. The microphone lift can be adjusted to the exact length of the microphone via AHnet and AHlink. The AHlink is an excellent tool to diagnose, verify and configure DynamicX2 and DynamicTalk. The monitor is equipped with an Interactive Setup Display (ISD) allowing the control, setup and diagnose of the monitors. Monitors provide RS-422 I/O allowing the remote control of movements, speeds, safety settings, brightness, contrast and backlight. The monitors are equipped with an Auto Mechanical Calibration Movement System (AH-AMMC). The use of the Arthur Holm's ERT will enable the address configuration of all the monitors installed in a table by simply pressing a button. The app AHlink Android and iOS allows getting the unit's serial number without the need to have access to the unit from below the table.

#### ARTHUR HOLM

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Technology serving Design

**Display**

|                                 |   |
|---------------------------------|---|
| Size                            | FULL HD 15.6" TFT Active Matrix, widescreen format. LED backlight |
| Resolution                      | 1920 (h) x 1080 (v)   |
| Brightness                      | 450 cd/m2   |
| Contrast ratio                  | 800:1   |
| Pixel                           | 0.1792 (h) x 0.1792 (v) mm  |
| Viewing angle                   | 85° /85°(u/d) 85° /85°(l/r)                                       |
| Viewing area                    | 344.16 (h) x 193.59 (v) mm  |
| LED backlight lifespan          | 50,000 hrs  |
| Response time                   | Tr + Tf = 25 ms   |
| Temperature (operating/storage) | Operating 0°C ~+40°C<br>Storage -20°C ~+60°C                      |

**Materials**

|                 |   |
|-----------------|---|
| Monitor housing | Anodised Aluminium  |
| Glass           | AR 2-side with an anti-reflective coating on the glass surface. Thickness: 3.0 ± 0.3 mm |
| Cover plate     | Stainless steel   |

**Connectivity**

|                       |   |
|-----------------------|---|
| Input signal          | DVI-I (1 input) – HDCP Compliant - Digital / Analog<br>DVI-D (1 input) – HDCP Compliant - Digital |
| RJ45 CAT6 (with loop) | Addressable RS422 monitor control by AHnet protocol   |
| GPI (SubD9)           | Up/Down control   |
| USB                   | For service   |

**DynamicTalk Control**

|                     |  |
|---------------------|--|
| Up/Down Control     | Button on upper cover plate<br>GPI contact closer<br>RS-422 (RJ45 CAT 5) |
| Microphone control  | Button on upper cover plate  |
| Customised function | Button on upper cover plate  |
| GPI/O               | LEDs control and switch  |

**Movement's Control**

|                           |                                  |
|---------------------------|----------------------------------|
| User interface on monitor | (Up/Down) Buttons on cover plate |
| Remote                    | RS-422 I/O, GPI                  |

**Electrical**

|                             |                             |
|-----------------------------|-----------------------------|
| Two External power supplies | 100-240 Vac, 47/63Hz, 12Vdc |
| System consumption          | 60W                         |

**Accessories**

|     |                         |
|-----|-------------------------|
| ERT | Ethernet Interface Unit |
|-----|-------------------------|

**Mechanical**

|                         |  |
|-------------------------|--|
| Monitor Dimensions:     |  |
| Screen                  | 403 x 234 x 25 mm<br>[15.87" x 9.22" x 0.98"]  |
| Upper cover plate       | 500 x 95 x 3 mm<br>[19.68" x 3.73" x 0.12"]    |
| Housing below the table | 485 x 590 x 80 mm<br>[19.09" x 23.23" x 3.15"] |
| Weight                  | 19 Kg / 39.4 Lbs                               |
| Shipping Dimensions:    |  |
| Weight                  | 18.9 Kg / 41.6 Lbs                             |
| Shipping Box            | 615 x 165 x 705 mm<br>[24.21" x6.5" x27.75"]   |

**OPTIONS**

**MONITOR:**

- Laser engraved logo
- UnderCover for veneer
- Matte cover plate
- Projected capacitive multi-touch screen
- Built-in camera
- Connectors
- DynamicLoop
- DynamicShare
- Black anodised
- Gold finish
- Bronze finish
- Painted

**DYNAMIC TALK:**

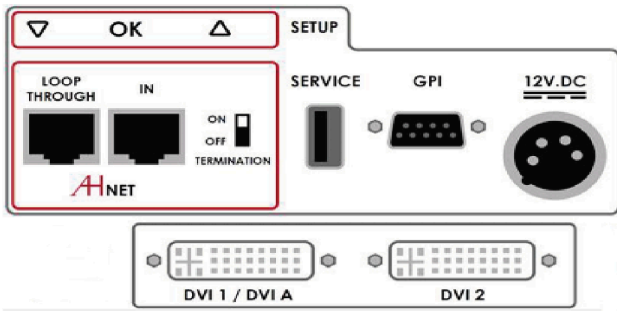
- UnderCover for veneer
- Customisation with third party conference systems
- 5 pin XLR connector

**WARRANTY**

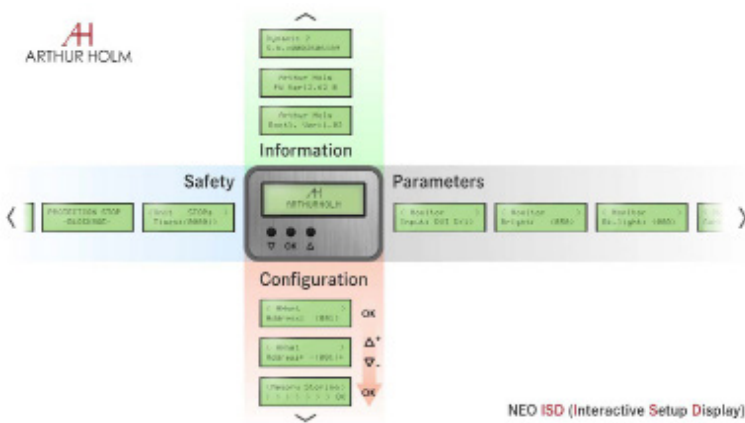
- 5 years limited warranty
- 2 years general warranty

**CERTIFICATIONS**

- CE
- FCC
- IECCE



INTERACTIVE SETUP DISPLAY (ISD)



CONSULTANTS, ARCHITECTS AND ENGINEERS SPECIFICATIONS

Vertically retractable motorised 15.6" Full HD professional monitor including a universal microphone lift system. The monitor housing shall be made of milled anodised aluminium and the screen shall be protected with antireflective 2 side coating black edged 3 mm glass. The monitor shall make the rise/lower and tilt movements with one only engine. The monitor cover plate shall provide a passive opening system and shall be made of 3 mm brushed stainless steel. The monitor shall have a brightness of 450 cd/m<sup>2</sup>, a contrast ratio of 800:1 and a backlight lifespan of 50,000 hours. The monitor shall provide 2 DVI HDCP inputs by a licensed HDCP monitor manufacturer. The monitor shall provide an addressable RS-422 and an easy to read Interactive Setup Display (ISD) to access the safety parameters, the setup of the speeds and the control of the brightness, contract and backlight. The monitor shall be able to run an auto-adjustment program to reset the factory setups. The monitor shall provide a USB port for firmware upgrades. The monitor shall be controllable by a wireless Android and iOS app providing information about the monitor's serial number, and providing access to the control and to the setup menu. The system shall Include an independent lift system for 3 pin XLR gooseneck microphones in the cover plate. This cover plate shall provide a rounded microphone coverlid and 3 operation buttons; open/close, mute/unmute the microphone and free GPO button.

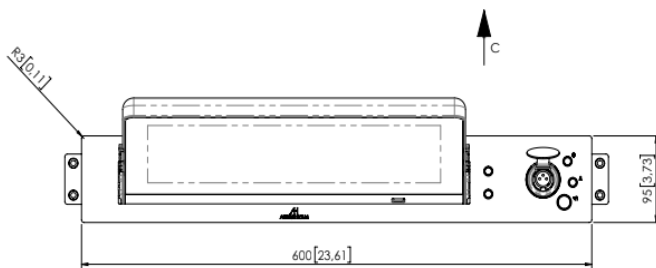
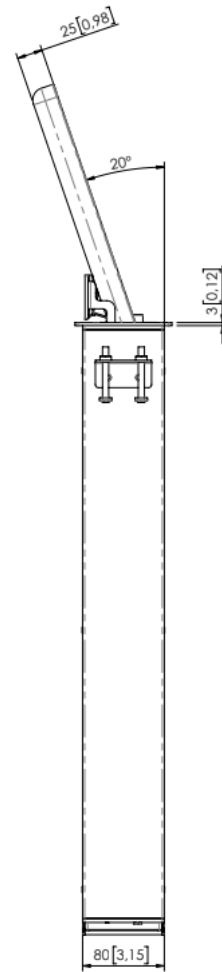
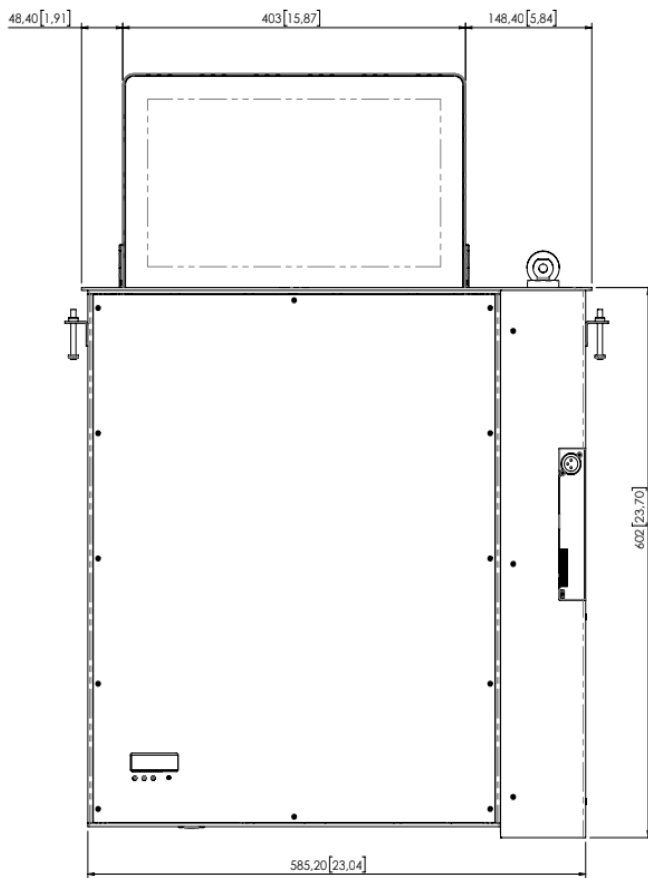
The lift system includes a translucent plastic rounded ring to centre the microphone during its rise and retract movement from a position hidden below the cover to a top position projected through the cover, avoiding the microphone from touching the cover plate, damaging or blocking when retracting. This ring shall provide a programmable green and red LED to indicate the microphone status and shall be visible 360°. The system shall be equipped with RS-422, RJ-45 and AHnet open protocol allowing individual remote control, setup and diagnostic of up to 30 units per line. GPI (contact close to control movements), GPO (contact close to detect button activation) and a USB for firmware updates.

The unit shall provide a safety system that detects obstructions and causes the unit to stop with an audio indication. The unit shall provide and auto-calibration mode to reset mechanical speeds and safety adjustments. The system shall provide an automatic RS-422 addressing system when used in combination with ERT-30 and ERT-60. The unit shall be compatible with a wireless app that allows the exact adjustment of the microphone length, facilitates the unit's serial number, allows the activation and de-activation of the RS-422 termination and allows to change the working mode from PA to Conference.

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