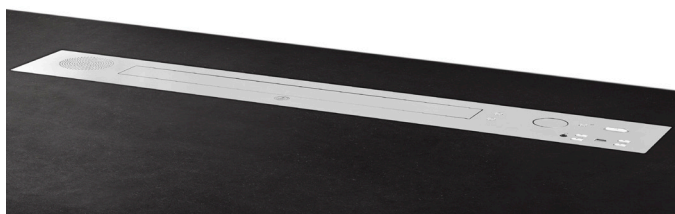# ARTHUR HOLM

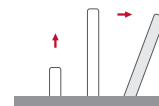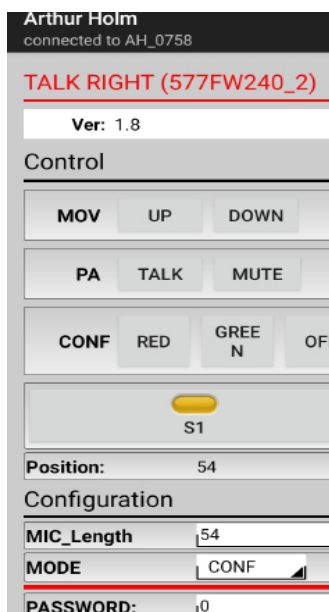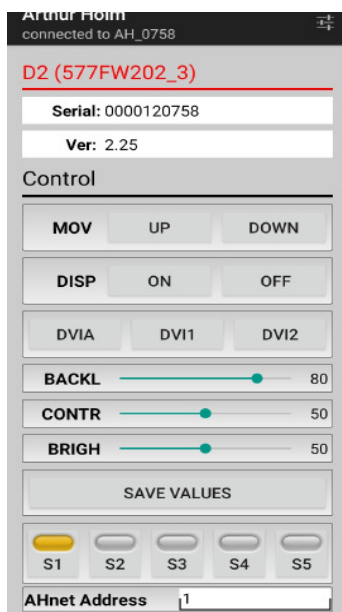# DynamicX2Talk

HDCP compliant aluminum retractable motorized monitor with integrated independent microphone lift system

reddot design award

This picture corresponds to a customized version of DynamicX2Talk

Highlights

- Vertical motorized HDCP compliant monitor with an independent lift for gooseneck microphones
- Patented single engine mechanism for up/down and tilt movements
- Milled aluminum housing with a contemporary design
- Stainless steel customizable cover plate
- Front anti-reflective 2-side coating 3mm black edged glass
- 360° LED lighting ring to indicate microphone status
- PA and Conference working mode
- Energy saving design, low consumption video controller
- Interactive Setup Display (ISD)
- Compatible wireless connectivity for setup and control via AHlink
- Auto mechanical Movement Calibration (AH-AMMC)

AHlink : the App for setup, control and diagnose

Download on the App Store

GET IT ON Google Play

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AH15DX2HDGATalk

General

Arthur Holm DynamicX2Talk is a motorized 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. Both the monitor and the microphone lift operate with only one external power supply. 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, which not only makes the microphone disappear within the table surface but also provides a pleasant light to indicate its status. Its patented lighting ring allows the microphone to 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 deactivate the microphone, and the LED ring indicates the status by changing the color from red to green.

The system silences the microphone automatically when it's in retracted position. 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 via GPI and GPO for remote control. The microphone lift can be adjusted to the exact length of the microphone via AHnet and AHlink.

DynamicX2Talk are available from 15.6" to 21.5", with 2 DVI HDCP compliant inputs and equipped with an Interactive Setup Display allowing the control, setup and diagnose of the monitors. Monitors provide RS-422/RS-485 Full Duplex allowing the remote control of movements, speed, safety settings, brightness, contrast and backlight. The monitors are equipped with an Auto Mechanical Calibration Movement System. The use of Arthur Holm's ERT will enable the address configuration of all the monitors installed in a table by simply pressing a button. DynamicX2Talk are compatible with AHlink Android and iOS app which allows access to the setup and control menu.

Technical Specifications

Display

Size	FULL HD 15.6" TFT Active Matrix, widescreen format. LED backlight
Resolution	1920 (h) x 1080 (v)
Brightness	500 cd/m2
Contrast ratio	1000:1
Pixel	0.1792 (h) x 0.1792 (v) mm
Viewing angle	89°/89°(u/d) 89°/89°(l/r)
Viewing area	344.16 (h) x 193.59 (v) mm
Response time	Tr + Tf = 25 ms
Temperature (operating/storage)	Operating 0ºC ~+40ºC Storage -20ºC ~+60ºC

Materials

Monitor housing	Anodized Aluminum
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 DVI-D (1 input) – HDCP Compliant - Digital
RJ45 CAT6 (with loop)	Addressable RS-422/RS-485 Full Duplex monitor control by AHnet protocol
GPI (SubD9)	Up/Down control
USB	For service

DynamicTalk Control

Up/Down Control	Button on cover plate GPI contact closer RS-422/RS-485 Full Duplex (RJ45 CAT 6)
Microphone control	Button on upper cover plate
Customized 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/RS-485 Full Duplex, GPI

Electrical

External power supply	100-240 Vac, 50/60Hz, 12Vdc
Consumption	55W

Accessories

ERT-30 / ERT-60	Ethernet Interface Unit

Mechanical

Monitor Dimensions:

Screen	403 x 234 x 25 mm [15.87" x 9.22" x 0.98"]
Upper cover plate	600 x 95 x 3 mm [23.6" x 3.74" x 0.12"]
Housing below the table	585 x 602 x 80 mm [23.03" x 23.70" x 3.15"]
Weight	22,5 Kg / 49.6 Lbs

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Options and acessories

- 2/ HDMI INPUTS
- DynamicLoop
- DynamicShare
- Built-in USB or HD-SDI camera
- Projected capacitive multi-touch screen

- Connectors on cover plate
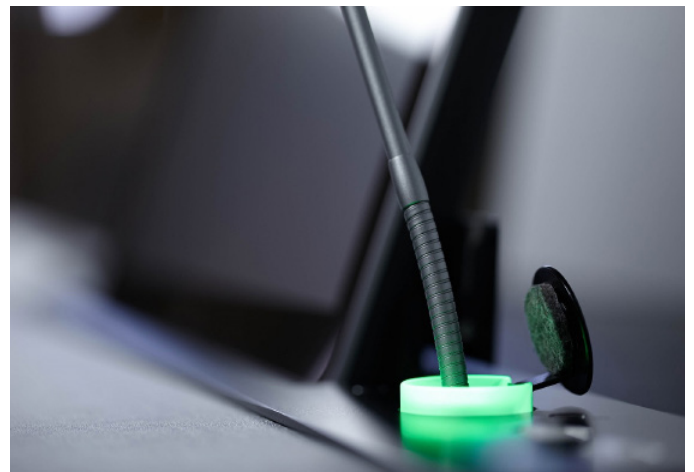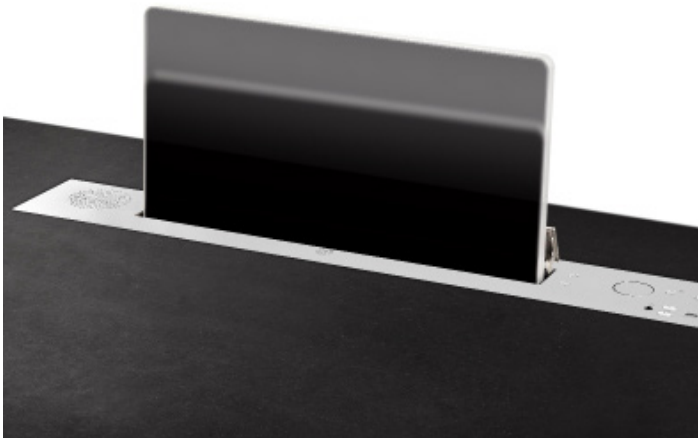- Customization for audioconference brands

Finishes

- Painted
- Black anodized
- Gold
- Bronze
- Laser engraved logo
- Matte cover plate

Certifications

- CE
- IECEE
- CB
- RoHs
- BIS

Warranty
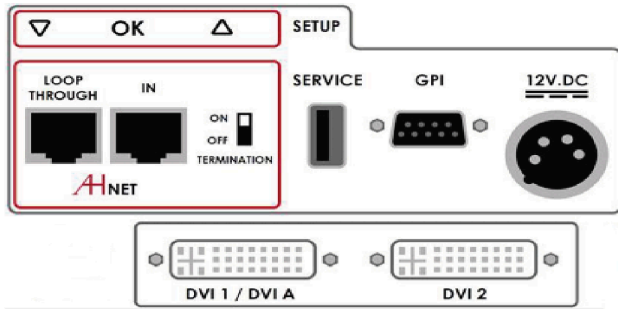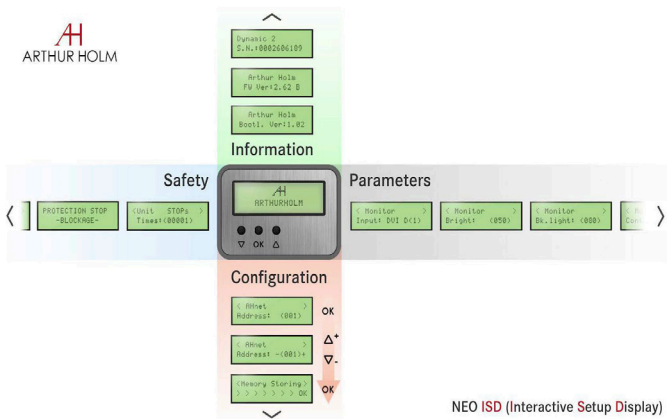
- 5 years for the mechanical parts
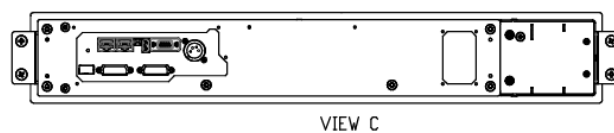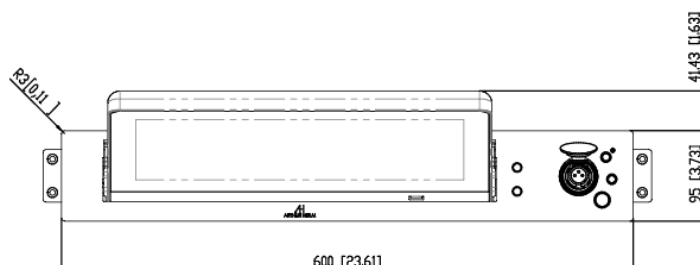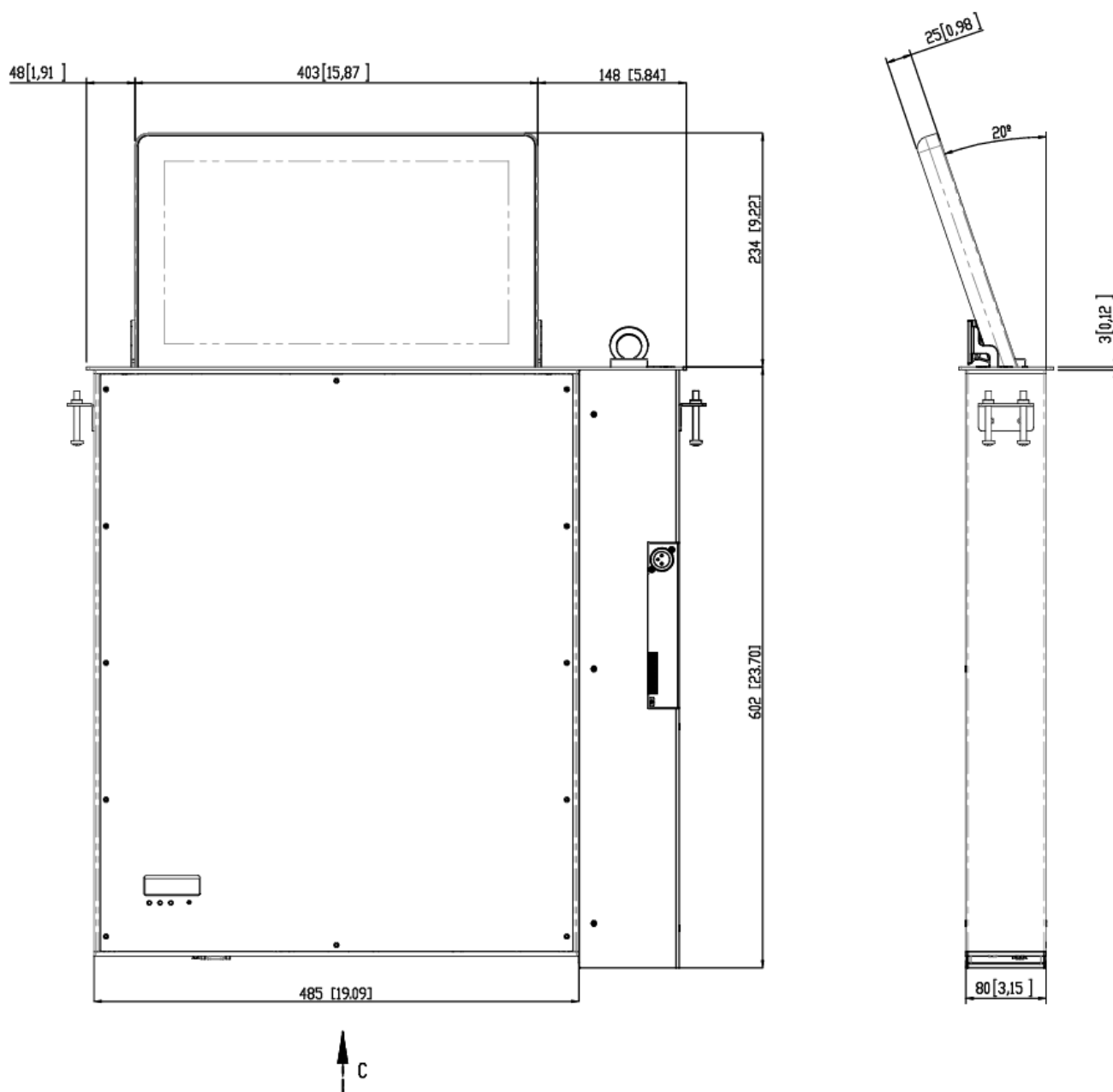
Interactive Setup Display (ISD)

NEO ISD (Interactive Setup Display)

Consultants, architects and engineers specifications

Vertically retractable motorized 15.6" Full HD professional monitor including an independent lift for "gooseneck" microphones in the same cover plate. The monitor housing shall be made of milled anodized aluminum and the screen shall be protected with an anti-reflecting 2-side coated 3mm glass. The monitor shall make the up/down/tilt movements with only one engine. The monitor cover plate shall provide a passive opening system for the monitor and a rounded coverlid for the microphone and shall be made of 3mm brushed stainless steel. Both lifts should be powered by a single external power supply. The monitor shall have a brightness of 500cd/m2, a contrast ratio of 1000:1. The monitor shall provide 2 DVI HDCP inputs by a licensed HDCP manufacturer. The monitor shall provide a USB for firmware upgrades and RS-422/RS-485 Full Duplex for the AHnet protocol and an Easy-to-Read Interactive Setup Display (ISD) for the setup, diagnose and control, and shall be compatible with ERT-30 and ERT-60.

The microphone lift system shall lift and retract a gooseneck microphone with a maximum length of 500mm and a XLR connector. The lift shall include a translucent plastic round ring to center the microphone during its rise and retract movement from a position hidden below the cover to a top position projected through the cover preventing the microphone from touching the cover plate, damaging or blocking when retracting. The LED ring shall have movement and provide a programable red or green light and shall be 360° visible. The system shall allow individual remote control and diagnosis and the unit shall provide GPI (contact close to control the movements) and GPO (contact close to detect button activation). The unit shall provide a safety system that detects obstructions and shall cause the unit to stop with an audio indication. The unit shall provide auto calibration mode to reset mechanical speeds and safety adjustments. The unit shall be compatible with AHlink wireless app, which allows to adjust the system to the exact microphone length and to change the working mode from PA to Conference.

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General Dimensions

AH15DX2HDGATalk

48 [1,91] 403 [15,87] 148 [5,84] 234 [9,22] 25 [0,98] 20º 3 [0,12] 602 [23,70] 80 [3,15] 485 [19.09]

C

R3 [0,11] 41.43 [1.63] 95 [3,73] 600 [23,61]

VIEW C