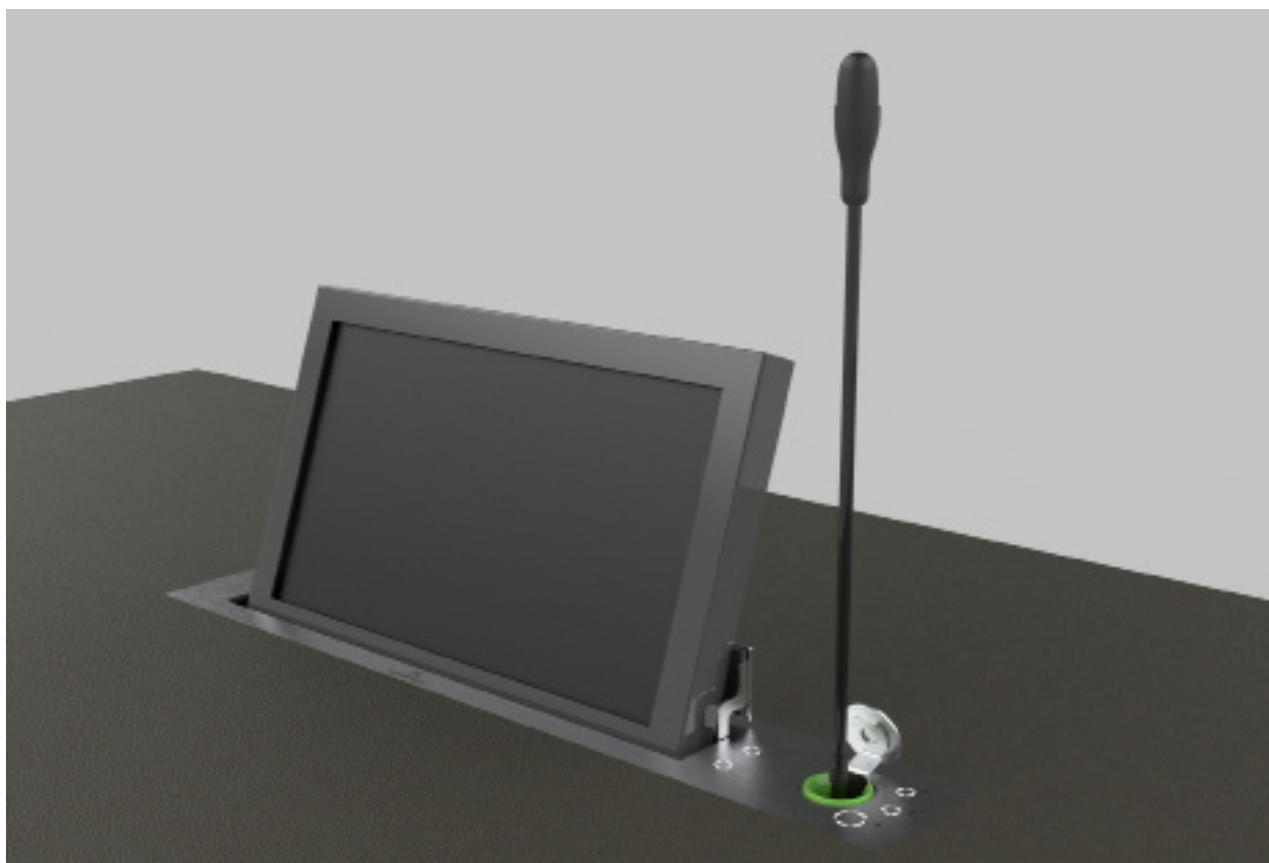## Albiral Smart
Motorized retractable monitors

Albiral Smart monitors combine perfectly style and technology to create unique meeting and conference rooms with all the best and brightest. This professional monitor range provides an innovative and flashy design with exceptional features, setting up inspiring spaces where ideas flow, versatility is unlimited and the user experience breaks out to be remembered. Robust and reliable, unobtrusive and flexible, ergonomic and astonishing, Smart monitors integrate perfectly into the interior design of the room, disappearing inside the furniture when not needed.

Advanced top features

- Retractable monitor with an independent microphone lift
- Automatic 20° tilt
- Patented single engine mechanism for up/down and tilt movements
- 2/DVI inputs
- HDCP licensed monitor manufacturer
- Maintenance free
- Energy saving design
- Security system
- Serial control and remote diagnostic by AHnet
- AH-AMMC Auto Mechanical Movement Calibration

Smooth, silent and harmonic drive

The Smart variable speed system makes the monitor to appear smoothly from the desk, reaching a faster cruise speed when rising to finally slow down again to adjust perfectly to the ergonomic 20º tilt work position.
The passive cover plate opens elegantly being pushed by the monitor itself with a soft and accurate movement.
An internationally patented lift and tilt system allows the use of only one engine for both movements, thus reducing noise and maintenance.

Total control. Remote is the way!

The control of monitors does not have to be only local anymore. Smart monitors can be totally controlled at remote level through the AHnet protocol with the RS-422/RS-485 port, so functions like the opening/closing of the device, the rising speed or the video input selection, among many others, are easier to manage than ever.
AHnet helps to get the best screen working conditions for every room, as it allows to adjust brightness, contrast or backlight parameters according to the distribution or the general light of the space. Equipments are also able to adjust parameters automatically. The AH-AMMC Auto Mechanical Movement Calibration corrects and readjusts the monitors parameters after possible changes suffered after transport or first installations.
AHnet also allows a remote diagnostic of the monitors, extracting a Log file with detailed information of the equipments registers and activity which is extremely useful to detect any problem or developing checking or adjusting tasks.
The monitor is compatible with AHlink app, which also allows to fulfil these configuration and diagnostics procedures through a wireless connection.

Connectivity to the max

Connectivity in Smart monitors integrates the most common standards to guarantee a smooth and easy operation with different connection systems. The DVI-I and DVI-D inputs allow to work with both analogue and digital signals. In this respect, Albiral is a HDCP licensed monitor manufacturer, protocol that assures protection of HD quality contents.
Monitors also include a USB port to update the firmware, so new improvements can be easily integrated to the system.

Secure and reliable system

Smart monitors integrate an advanced and unique security system carefully designed for user protection. Extremely sensitive sensors of the monitor are able to detect any possible obstruction in the mechanism, which causes the unit to stop movements immediately. If any object or part of the user's body is placed somewhere interfering the rising or retracting of the display, the precision system of the unit reacts straight away to avoid any damage.
Smart monitors are completely reliable not only in terms of safety, but also regarding their long lasting useful life, increasing the sustainable nature of the devices. Monitors are manufactured only with professional components and high end materials, a superb quality ensured by Albiral's 5 years mechanical warranty.

General Description

The Smart retractable monitor by Albiral is a professional electrically retractable 17.3" widescreen monitor to be integrated in furniture that includes an independent lift for gooseneck microphones. The monitor has a powder coated steel housing and an up-table cover plate in brushed stainless steel. The retractable monitor provides silent, reliable and harmonic movements by the use of a patented solution with only one 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 unique system of ALB17HDMRTalk makes the microphone disappear within the table surface at just the push of a button located on the cover plate. Both the monitor and the microphone's lift operate with only one external power supply. The lift system includes a translucent plastic rounded ring to centre the microphone during its rise and retrat movements. This ring provides a LED to indicate the microphone status and is visible 360°.

ALB17HDMRTalk includes DVI-I and DVI-D inputs which are HDCP compliant. The monitor works with the AHnet protocol (RS-422/RS-485 Full Duplex) through CAT6 loop-through cable, individual addressing and termination switch.

Product specifications

Screen	
Size	Full HD 17.3" TFT Active Matrix. LED Backlight
Resolution	1920 (h) x 1080 (v)
Brightness	400 cd/m2
Contrast ratio	600:1
Pixels	0.1989 (h) x 0.1989 (v) mm
Viewing angle	60º/80º (u/d) - 80º/80º (l/r)
Viewing area	381.888 (h) x 214.812 (v) mm
Response time	Tr 37ms, Tf 3ms
Temperature	Operating 0ºC /+40ºC Storage -20ºC / +60ºC

Materials	
Cover plate	Brushed stainless steel
Monitor housing	Powder coated steel
Connections	
Input signal	DVI-I and DVI-D inputs. HDCP compliant
RJ45 CAT6 (with loop)	Addressable RS-422/RS-485 Full Duplex control by AHnet protocol
GPI (SubD9)	Up/Down control
USB	For service

DynamicTalk Control	
Control Up/Down	Buttons on cover plate GPI contact closer RS-422/RS-485 Full Duplex (RJ45 CAT5)
Microphone control	Button on cover plate
Customized control	Button on 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 I/O, GPI
Electrical	
External power supply	100-240Vac, 50/60Hz, 12Vdc
Consumption	65W