

## XC-645 XPERIENCE CONTROLLER

### XC range

The nexmosphere compact range is the most cost-effective tool for bringing shopper experience into your retail environment. Its small form factor and smart design makes it an ideal and efficient controller to integrate in any virtual standalone application. Connect any of the nexmosphere elements like presence sensors, pick-up detectors, touch buttons, or LEDs to build your own unique shopper journey. This system prepares itself for the next shopper automatically, ready to deliver the next in-store experience.



### XC-600 series

The 600 series is equipped with a full HD video player allowing to play any video from the SD card. Every element triggers a unique video allowing you to provide specific information on the chosen product. This way, an upsell can be created easily in standalone applications.

### Features

- Full HD video player with 1080p60 playback
- 8x X-talk interface for easy sensor connection
- 4x dimmable LED output

### X-talk interface

Connect a wide range of sensors, buttons, LEDs, or any of the nexmosphere elements to create your own unique shopper experience. Let your creativity be the limiting factor by combining the different elements specific to your application. Due to auto-configuration, there is no additional setup required for seamless operation. The X-talk interface also supports industry standard I/O devices, such as push buttons.

- Compatible with any of the nexmosphere elements
- Plug and smile interface
- Providing power to elements for easy system wiring
- Connect standard push buttons (NO/Normal Open)
- Switch external 3.3v LED (X-talk+ interface only)

### Video playback

The video controller provides a high quality 1080p60 content playback via the HDMI connection. Up to 20 different video files stored on the SD card can be triggered to play by one of the elements connected to the X-talk interfaces like pick-up or motion sensors.

- Video codecs: H.264, MPEG4 part 10, AVC
- Video Containers: MP4, MKV, TS
- Resolutions: 1920x1080, 1280x720, 720x480
- Bitrate: 12Mbps

### Dimmable LED interface

The LED output allows connecting any standard LED strip available in the market to illuminate large surfaces. All four outputs are fully dimmable and deliver a smooth fading between the different intensities.

- 12V DC max 1A per channel (4 channel total output 1A max)
- Individually dimmable LED output (PWM/256 steps)
- Wiring size AWG 16-28, solid/stranded copper

### Benefits

- Auto start-up and configuration for highly reliable standalone applications (24/7 operability)
- Automatic recovery to an attractive state after a period of inactivity
- Small form factor for easy installment in or behind displays
- Multiple data gathering functionalities offer unique insight into how your application is being used (DLX-200 X-talk data logger required)
- Download application-specific scripts to configure the controller according to your needs (\*programmable versions only)

*\* XSP-100 X-talk programmer required*

# XC-645 XPERIENCE CONTROLLER

## Thermal specifications

Operating temperature: +10°C...+40°C/ +50°F ... +104°F  
Storage temperature: -20°C...+50°C/ -4°F ... +122°F  
Cooling: Passive cooling (no moving parts)

## Electrical specifications

Operating voltage: 12V DC  
Maximum power rating: 2A  
Reverse polarity protection

## Standards and Certifications

Compliant with IEC 60950-1(ed.2);am1;am2  
CE certificate  
US/CAN certification in progress  
RoHS compliant

## Miscellaneous

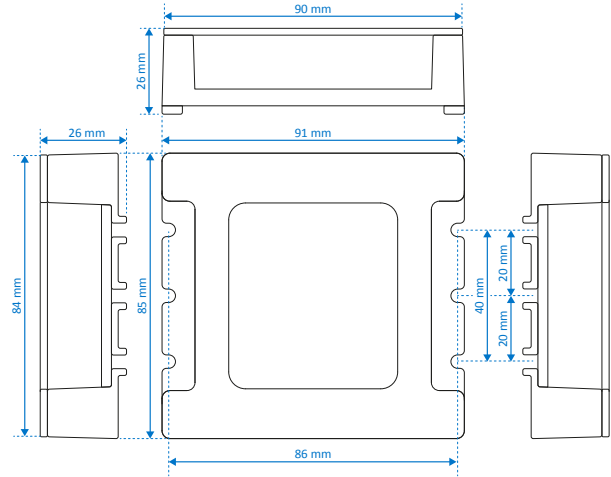
- Robust compact housing with screw brackets for secure fixing
- Build-in magnets for easy mounting on metal surfaces
- Both horizontal & vertical mounting allowed
- Diagnostic LED indicating potential issues
- Status LED indicating power & input/output operations
- 1 year warranty (optional 3 year extended warranty available)

## Packaging

Netto Weight: 118g  
Items per carton 1 or 10 pcs

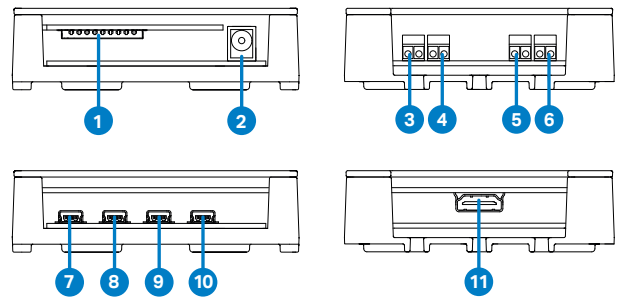
## Mechanical dimensions

LxWxH: 91 x 86 x 26 mm  
Screw fixation: 20 / 40 x 85 mm



## Hardware interfaces

1. SD-card slot for audio files
2. 12V Power input, 2.1mm DC socket
3. LED socket, screw terminal 1
4. LED socket, screw terminal 2
5. LED socket, screw terminal 3
6. LED socket, screw terminal 4
7. X-talk+ socket 1
8. X-talk+ socket 2
9. X-talk+ socket 3
10. X-talk+ socket 4
11. HDMI socket



## Ordering information

Product ID	Description	Quantity
XC-645	Xperience controller, Video, 4x X-talk , 4x LED output (programmable)	1 pc

## Nexmosphere

High Tech Campus 10 (Mμ building)  
5656 AE Eindhoven • The Netherlands

T +31 40 240 7070  
E sales@nexmosphere.com

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