XC-544 / 545 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 such as 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-500 series

The 500 series features an onboard high quality MP3 player allowing to play any song from the SD card up to four different connected devices. Touch buttons can be used to toggle between the different tracks and set the volume. Use one of the nexmosphere elements to switch between the different outputs and compare them in an intuitive way.

Features

• High quality MP3 playback
• 4x switchable stereo audio channels
• 4x 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 divices, 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)

MP3 playback

The MP3 player allows a high quality playback of the content stored on the SD card. Select any track and control its volume by one of the elements connected to the X-talk interfaces such as pickup or motion sensors.
• High quality 192/320kbps MP3 Player
• Stereo audio stream
• Sample rate: 44.1 Khz
• Function: Play,Previous/Next track, vol +/-, Pauze, Stop

Audio switching

Audio switching redirects the audio stream from the MP3 player to one of the connected outputs. The solid state switching circuit guarantees a fast click-free transition from one output channel to another. Multiple outputs can be selected simultaneously to demonstrate multi-speaker solutions.
• 4x program controlled switchable stereo audio output
• Multiple outputs can be selected simultaneously
• Solid state technology for click-free switching
• Channels can be used as output as well as input
• Supports line-out as well as headphones (AutoDetect)

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

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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

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:	12VDC
Maximum power rating:	2A
Reverse polarity protection	

Standards and Certifications

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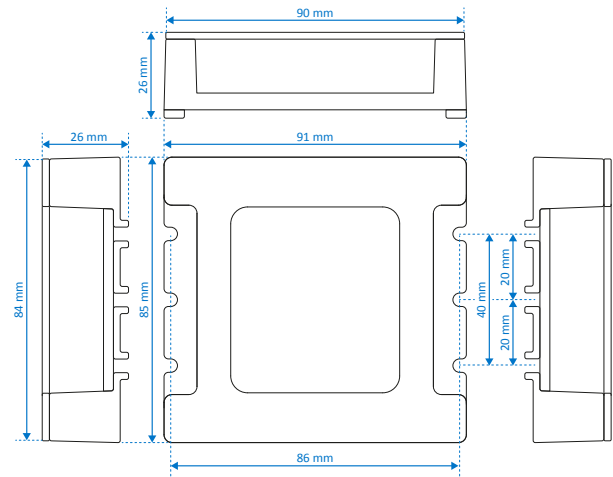US/CAN certification in progress
RoHS compliant

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

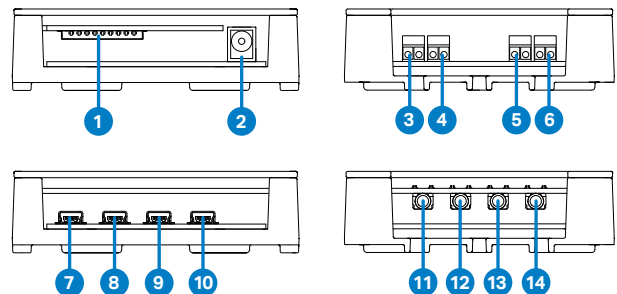|	
Netto Weight:	115g
Items per carton	1 or 10 pcs

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. 3.5mm stereo Jack socket for Audio output 1
12. 3.5mm stereo Jack socket for Audio output 2
13. 3.5mm stereo Jack socket for Audio output 3
14. 3.5mm stereo Jack socket for Audio output 4

Ordering information

Product ID	Description	Quantity
XC-544	Xperience controller, Audio(mp3), 4x Audio switch, 4x X-talk, 4x LED output (non programmable)	1 pc
XC-545	Xperience controller, Audio(mp3), 4x Audio switch, 4x X-talk, 4x LED output (programmable)	1 pc