

# X14T

STAGE MONITOR – MAIN PA  
14" COAXIAL ACTIVE  
SPEAKER SYSTEM

*Xcellence*



Get the best of two worlds: a revolutionary new 14" coaxial loudspeaker performs as a 15" in the low frequencies, keeping vocals as clear as in a 12". There is no better combination of performance, power, weight and size! An outstanding stage monitor, and still a great deal as main PA. One size fits all: the new X14T!

## KEY FEATURES

### TRANSDUCER TECHNOLOGY

Coaxial two-way active speaker system composed by one 3-inch voice coil, neodymium magnet, 14" loudspeaker front loaded in a bass-reflex tuned enclosure and a 3" titanium diaphragm neodymium driver. The format of X14T allows using it as Main PA or stage monitor.

### AMPLIFICATION

1500 W 3rd generation Class D built-in amplifier, controlled by a dedicated DSP.

90% efficiency amplifier SMPS (switching mode power supply), allowing maximum power delivery with minimum consumption in an extremely low-weight and reduced size.

Rear connections and control panel with LCD screen to display the different settings, presets and adjustments done by the user. A capacitive keyboard guarantees the reliability of the system even under humidity and extreme weather conditions.

Exclusive and unique Overvoltage Protection which continuously monitors line voltage and instantly disconnects the system if the line voltage exceeds the maximum permissible level.

### DSP & CONTROL

Internal DSP with all necessary signal processing (crossovers, EQs, delay, limiters, gain control, mute) as well as several useful presets to adjust X14T to different requirements.

Ethernet connection and full wireless control: the system can be monitored from any spot in the room.

DSPStudio® control software capable of adjusting and setting-up even the finest details and monitoring key parameters of the amplifier: input and output levels, clip limiter activation, amplifier temperature and network connection status.

### DESIGN & ACCESSORIES

Several accessories allow easy flying. A 35 mm socket for mounting the loudspeaker on a speaker stand is provided at the bottom of the cabinet.





Ergonomic handles for an easy and comfortable transport.

Baltic birch plywood wooden cabinet with Polyurea® coating, offering maximum reliability and strength for touring as well as for high demanding applications.

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## STAGE MONITOR – MAIN PA 14" COAXIAL ACTIVE SPEAKER SYSTEM



-  **DSP STUDIO CONTROL APP FOR IPAD & WINDOWS**
-  **WITH CWK-D**
-  **COAXIAL SPEAKER**
-  **LIGHT NEODYMIUM COMPONENTS**
-  **> 250 V OVERVOLTAGE PROTECTION**
-  **MULTIPLE PRESETS AVAILABLE**
-  **HIGH RESISTANT POLYUREA® PAINT**
-  **ACCESSORIES FOR EASY INSTALLATIONS**

### TECHNICAL FEATURES

<b>Amplifier (program power)</b>	1000 W (LF) + 500 W (HF) – Class D Bi-amplified
<b>Input sensitivity</b>	8 dBu – 1.94 V
<b>Input Impedance</b>	20 kΩ Balanced
<b>Mains</b>	Universal Switch Mode Power Supply 85-265 V / 45-65 Hz
<b>Average current draw</b>	2.1 A (Heavy duty musical program)
<b>SPL (1 m)</b>	128 dB continuous, 131 dB peak
<b>Built-in DSP</b>	48 bit
<b>AD/DA converters</b>	24 bit – 96 kHz
<b>Presets</b>	FLAT / NEARFIELD / NEARFIELD+ / SPEECH / MONITOR / XOVER / PRESENCE + 23 configurable user memories
<b>Crossover frequency</b>	1 kHz
<b>Frequency response (-10 dB)</b>	46 Hz – 20 kHz
<b>Components</b>	<b>Coaxial transducer</b> <b>LF</b> 14" neodymium woofer (3" voice coil) <b>HF</b> 3" titanium diaphragm neodymium driver
<b>Directivity (HxV)</b>	80° conical
<b>Directivity factor (Q)</b>	12,6
<b>Directivity index (DI)</b>	11 dB
<b>Weight</b>	22.6 kg
<b>Dimensions (HxWxD)</b>	625 x 410 x 430 mm
<b>Finish</b>	Multilayer baltic birch plywood with high resistant black Polyurea® coating
<b>Grille</b>	2 mm steel with grey micro-foam cloth
<b>Rigging</b>	M8 points
<b>Connectors</b>	1x XLR input / 1x XLR link / 1x AC PowerCon input / 1x AC PowerCon link / 1x EtherCon RJ45 input / 1x EtherCon RJ45 link



BOTTOM VIEW



TOP VIEW



LEFT SIDE VIEW



FRONTAL VIEW  
WITHOUT GRILLE



RIGHT SIDE VIEW



REAR VIEW



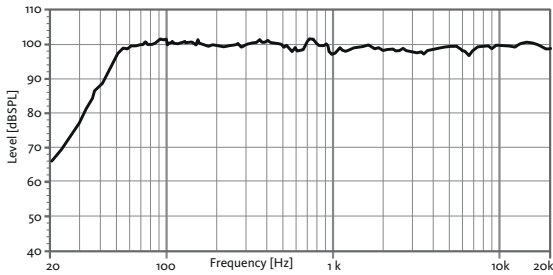
CONNECTION PANEL

# X14T

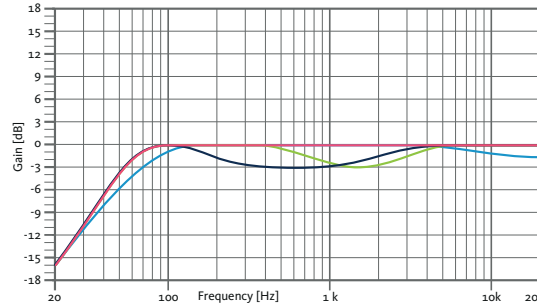
## STAGE MONITOR – MAIN PA 14" COAXIAL ACTIVE SPEAKER SYSTEM



### FREQUENCY RESPONSE 1w/1m (FLAT PRESET)

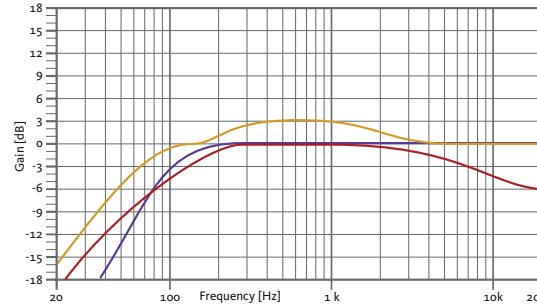
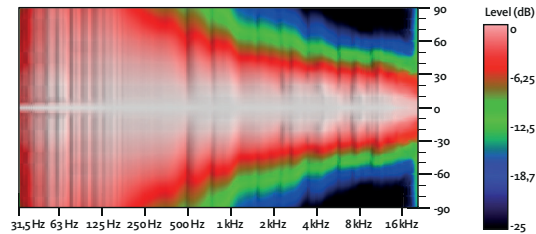


### BUILT-IN PRESETS



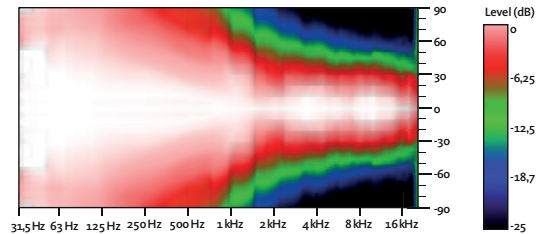
- FLAT**  
Flat response (on tripod)
- MONITOR**  
Flat response (on floor)
- NEARFIELD**  
-3 dB mid frequencies (800 Hz – 3 kHz)
- NEARFIELD+**  
-3 dB mid frequencies (200 Hz – 3 kHz)

### HORIZONTAL COVERAGE

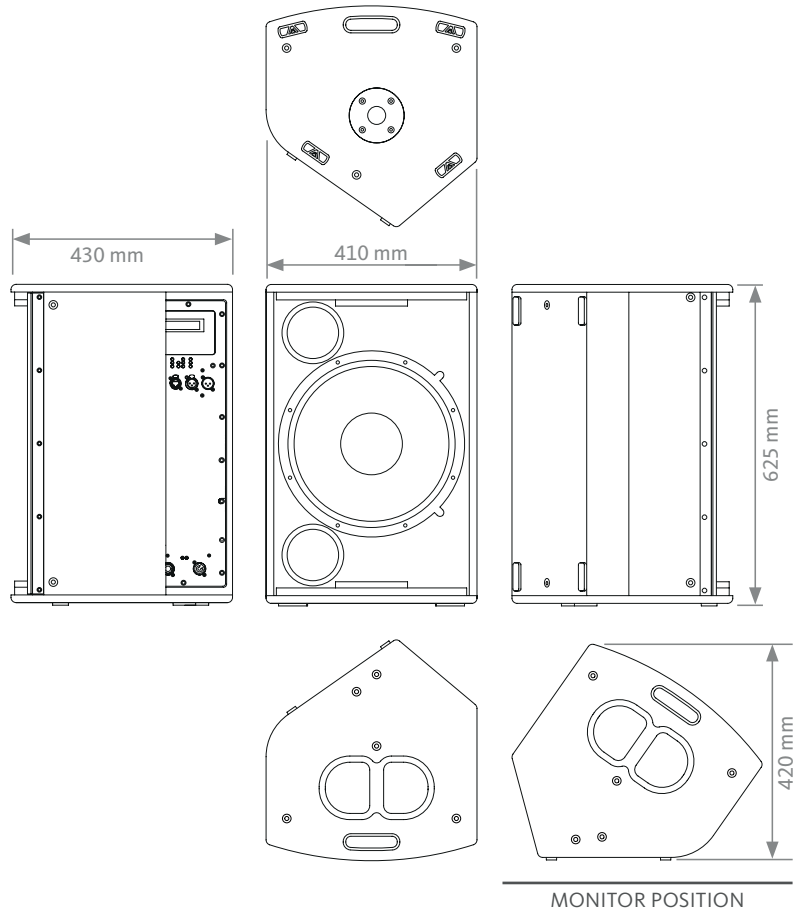


- SPEECH**  
-6 dB low / -6 dB high
- XOVER**  
HPF 100 Hz
- PRESENCE**  
+3 dB mid frequencies (200 Hz – 3 kHz)

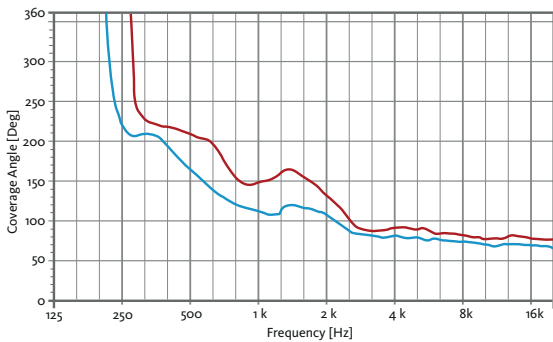
### VERTICAL COVERAGE



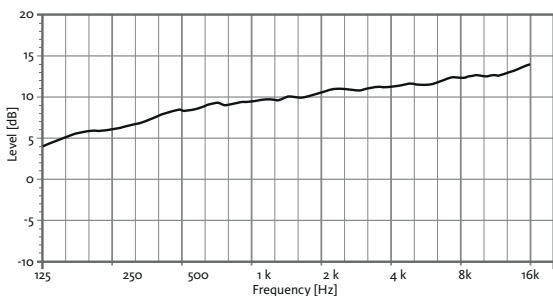
### CAD DRAWING SCHEME



### HORIZONTAL & VERTICAL BEAMWIDTH (-6dB point)



### DIRECTIVITY INDEX (DI)





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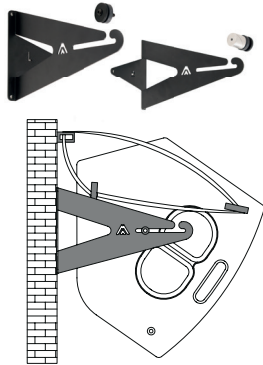


### ACCESSORIES

**FLIGHT CASE**  
FC-X14T for two units of X14T



**WALL MOUNT BRACKET**  
UB-L



**FLYING BAR**  
HR-S



**FLYING BAR WITH 50 mm HOOK**  
HR-S/GT



**M8 RIGGING EYEBOLT**  
ACR-M8



**SAFETY SLING**  
SC-15



**DISTANCE ROD M20**  
SP-CRTL  
Ø: 35 mm  
Length: 55 cm ~ 90 cm  
Thread: M20



**WIRELESS COMMUNICATION KIT**  
CWK-D  
Bespoke control protocol that supports Wi-Fi connectivity through CWK-D



### DSP STUDIO CONTROL SOFTWARE



The application utilises a bespoke control protocol that supports Wi-Fi connectivity (control over IP).

It allows to address the ethernet-enabled amp and DSP modules in the Xcellence series cabinets, affording the user visual feedback on amplifier status and the ability to edit processor values from any spot in the venue.

You can edit parameters such as crossover frequency, gain (per way and separately mutable), limiter, polarity, delay, five custom parametric EQs or an array of filter shapes, can all be adjusted in fine detail, with several elements controllable at the same time using grouping functions.

The app also provides comprehensive information about input and output levels, heat-sink temperature, clip and protection indicators.

*"Instant access to outstanding sound"*

1

Configure your wifi network

2

Detect loudspeakers

3

Setup audio settings

4

Enjoy the best sound



iPad  
VERSION



PC  
VERSION

Download it from our website:  
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