



# XTi

## ARCHITECTURAL SERIES

The XTi Architectural Series are primarily engineered for the fixed installation market and deliver a complete sound reinforcement solution intended to fulfill the highest demands of audio professionals. Taking on the electro-acoustic design of the established XT series, the XTi Architectural Series combines ultimate sonic performance with a streamlined cabinetry and discrete rigging which can be colour-matched according to architect specifications. The system range and components are as follows:

- 8XTi full range passive compact enclosure
- 12XTi full range passive enclosure
- LA4 amplified controller and LA8 amplified controller (with LA4 preset library)

The XTi Architectural Series point-source technology is particularly valuable in distributed sound reinforcement applications where most listeners are located off the system axis. It is suited to semi-reverberant spaces where a single reflected source offers a more coherent radiation field with less reflected virtual sources than a traditional dual horn-woofer combination.

Point-source systems are also adapted to proximity applications such as stage monitoring, front-fills and under-balcony fills. Their radiation characteristics yield excellent phase response, total wavefront coherency at all frequencies, and axi-symmetrical directivity which produces identical coverage patterns in both the horizontal and vertical planes and a sound field stable over the entire frequency spectrum. The result is a natural, studio monitor sound quality and the aural sensation of transparent sound and an even sonic performance within the enclosure beamwidth.

The XTi features the latest generation of transducers and cutting-edge electro-acoustics engineering design. Setting up XTi enclosures is quick and easy due to flying hardware system which ensures discreet integration, precision, safety, and full compatibility with current rigging safety standards.

The XTi are available as plug and play solutions with the amplified controllers. These come with a complete set of dedicated presets, providing the sound designer with total creative freedom for any conceivable application in theatres, clubs, concert halls, broadcast and multipurpose facilities.

As well as delivering cutting edge audio quality, the amplified controllers offer unique dual transducer protection system, precise system drive engine, and remote EQ and system contour (tonal balance) features. A single LA4 can power eight 8XTi or four 12XTi. A single LA8 can power twelve 8XTi or eight 12XTi at nominal SPL and up to twelve 12XTi. The LA4 and LA8 also allow hybrid configurations with L-ACOUSTICS® enclosures and third party enclosures with flat preset channels. This integrated package offers a high amplifier density, high efficiency for lower power consumption and less heat, and a fast and easy set-up. It ensures performance consistency, predictability and the best possible component protection.

Any XTi configuration can be acoustically and mechanically modelled with SOUNDVISION 3D simulation software or with the EASE®/CATT® data for acoustic design consultants. The software predictions are modelled on the preset parameters of the amplified controllers.

The amplified controllers make the design of complex and sophisticated control systems possible with the integration of an Ethernet-based network capability which allows simultaneous networking up to 253 units. L-ACOUSTICS® LA NETWORK MANAGER software offers real-time remote control and monitoring of the amplified controllers via a user-friendly and intuitive graphic interface. L-ACOUSTICS® also provides control modules for external platforms as a certified member of the CRESTRON® Integrated Partner Program I2P.



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### SYSTEM COMPONENTS

#### I2XTi<sup>1,2</sup>

Full range 2 way passive enclosure, 55 Hz - 20 kHz bandwidth.



#### 8XTi<sup>1,2</sup>

Full range 2 way passive enclosure, 65 Hz - 20 kHz bandwidth.



#### LA4/LA8/LA NETWORK MANAGER<sup>1</sup>

Amplified Controllers with DSP library. Remote control software.



#### ETRI2XTi - ETR8XTi<sup>2</sup>

Rigging brackets with 10° angular increments for I2XTi and 8XTi.



#### EMBi<sup>2</sup>

Pole mount socket for I2XTi and 8XTi.



#### SOUNDVISION

Acoustical and mechanical simulation software dedicated to L-ACOUSTICS® products.



#### CATT® AND EASE® DATA

WST® and point source balloon files exportable from SOUNDVISION for use in CATT®.

GLL files available for EASE® 4.2 and higher versions.

1. See product spec sheet for more details.

2. Items available in grey brown or white with extension code W (Additional RAL colors on special order).

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### SYSTEM CONFIGURATIONS

The amplified controller platforms allow total flexibility in defining configurations and related applications for various L-ACOUSTICS® speaker systems including the XTi range. Each individual XTi model can be driven as a FOH sound system [FRONT], distributed system [FILL] or as a floor monitor [MONITOR]. The engineer can also choose the same

preset programs but with the inclusion of a 100 Hz high-pass filter if the system is to be used with the SB18i subwoofer, or simply to eliminate unwanted LF material in standalone mode. The presets optimize both sonic performance and transducer protection of the systems under all operational conditions. The LA4 preset library is structured as follows:

#### PASSIVE STEREO 2 WAY SYSTEMS

Mode	8XTi Presets	I2XTi Presets	Contour	Application
FULL RANGE	8XT_FR	I2XTP_FR	LF/HF shelving	FOH
	8XT_FI	I2XTP_FI	Flat in free field	Distributed
	8XT_MO	I2XTP_MO	Flat in half-space	Floor Monitor
HIGH PASS (100 Hz)	8XT_FR_100	I2XTP_FR_100	HF shelving	FOH
	8XT_FI_100	I2XTP_FI_100	Flat in free field	Distributed
	8XT_MO_100	I2XTP_MO_100	Flat in half-space	Floor Monitor

#### PASSIVE STEREO SYSTEMS WITH SB18i

Mode	8XTi Preset	I2XTi Preset	Contour	Application
HYBRID (100 Hz Xover)	8XT_SB18	I2XTP_SB18	HF shelving	FOH

#### HYBRID SYSTEMS AND FLAT PRESETS

Mode	8XTi/I2XTi Preset Channel	Example 1	Example 2
HYBRID SYSTEMS & FLAT PRESETS	Can be combined with: <ul style="list-style-type: none"> <li>Any other passive system including subwoofers</li> <li>2 way active system</li> </ul>	Channel 1: 8XTi Channel 2: I2XTi Channel 3: SB18i Channel 4: FLAT	Channel 1: SB18i Channel 2: I2XTi Channel 3/4: ARCS

Creating hybrid configurations requires the use of LA-NETWORK MANAGER 1.2 software. LA4 and LA8 flat preset channels allow from one dedicated input channel the amplification of third party enclosures (access to mute, gain, delay, polarity and Contour EQ).

