

TTL11A

DIGITAL STEERABLE ARRAY



MAIN APPLICATIONS

- Live sound
- Corporate events
- Theatres
- A/V presentations

MAIN FEATURES

- 4000 Watt, 9 way amplification
- 4 x 1.4" titanium dome neo c. drivers, 2.5" v.c.
- 3 x 8" neo midranges, 2.5" v.c.
- 4 x 8" neo woofers, 2.5" v.c.
- 96 Khz, 32 bit DSP processing
- Digital steering down to -10°
- 1° step steering control
- Beam forming, time delay controls

DESCRIPTION

The TTL11A is an active steerable column array that provides exceptional intelligibility in highly reverberant environments. TTL11A can be used anywhere music and intelligible speech are critical. Individual driver control maximizes the acoustical advantages of this design. The result is unsurpassed vertical pattern control and low-distortion sound that is essential for delivering intelligible speech in reverberant spaces.

TTL11A is composed by two modules, one for the mid-high and one for the bass frequencies.

The TTL11A-B is the bass frequency section of the system and features four 8" neodymium woofers with 2.5" voice coil for a perfect and powerful mid-bass response.

With the addition of the new TTS25-A subwoofer, the TTL11A system becomes a powerful, compact and high definition live sound system.

TTL11A-B features a 96 Khz, 32 bit DSP processing and 2000 Watt, 2 way amplification class D digital amplifier

Using a range of vertical control presets programmed for the steerable column array loudspeakers, installers can choose 8 possible splay digital angles, from 0° to 7°, to accurately project sound where needed while avoiding surfaces that interfere with speech signal transmissions. The vertical beam can be angled up or down with a 1° step steering control and can be configured with vertical beam and time delay controls.

The TTL11A is equipped with a dedicated networking board. Using our proprietary RDNet protocol is possible to monitor all the system parameters, from the input to the status of each single amplifier. Having a Dsp on board of each cabinet, it is possible to address to single cabinets or groups of cabinets specific presets or modifications of parameters like gain, equalisation or delay. The RDNet protocol is based on RS-485 communication protocol, it is very stable and it is possible to send and receive data on a simple XLR cable. High quality mechanics with a unique smart locking system make the set up of the system fast and effortless.

The TTL11A cabinet features integrated quick lock mechanics to provide a perfect stability during live events or easy assembling for permanent installation

ACOUSTICAL SPECIFICATIONS

Frequency response:	60 Hz- 20 kHz
Max SPL:	136 dB
Horizontal coverage angle:	90°
Vertical coverage angle:	10 to 40°
Compression driver:	4 x 1.4" titanium dome neo c. drivers, 2.5" v.c.
Midrange:	3 x 8" neo midranges, 2.5" v.c.
Woofers:	4x8" neo, 2.5" voice coil

INPUT SECTION

Input signal (Impedance):	bal/unbal
Input/Output connector:	XLR
Input sensitivity:	-2 dBu / +10 dBu

PROCESSOR SECTION

Crossover frequencies:	350 Hz - 1300 Hz
Protections:	thermal, excursions, rms
Sensitivity control:	-
Limiter:	soft limiter
High pass:	-
Controls:	DSP controlled

AMPLIFIER

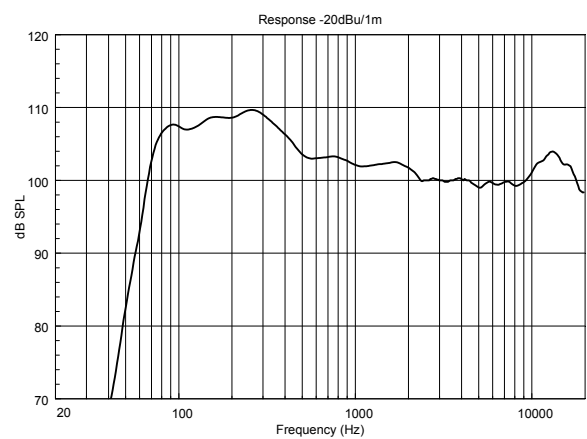
Power supply:	switching 4000 Watt
High frequencies:	4 x 250 W
Mid frequencies:	3 x 350 W
Low frequencies:	2x1000 Watt
Cooling:	convection
Connection:	powercon in/out

PHYSICAL

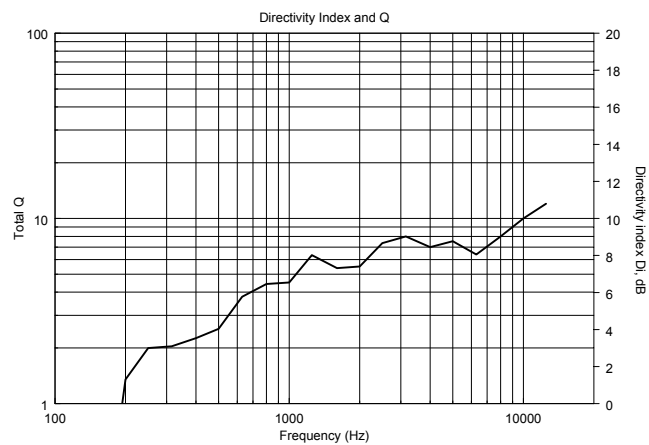
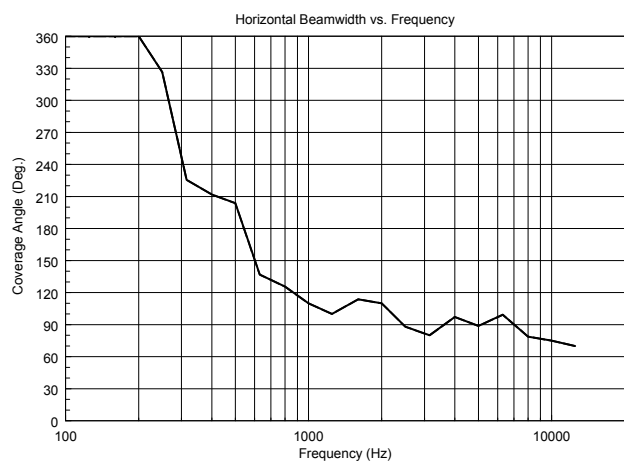
Height:	1198 mm (47.16")
Width:	261 mm (10.27")
Depth:	242 mm (9.52")
Weight:	76 kg (167.55 lbs)
Cabinet:	baltic birch plywood
Hardware:	multi-functional
Handles:	4 side, top, bottom
Pole mount cap	-
Colour:	Black



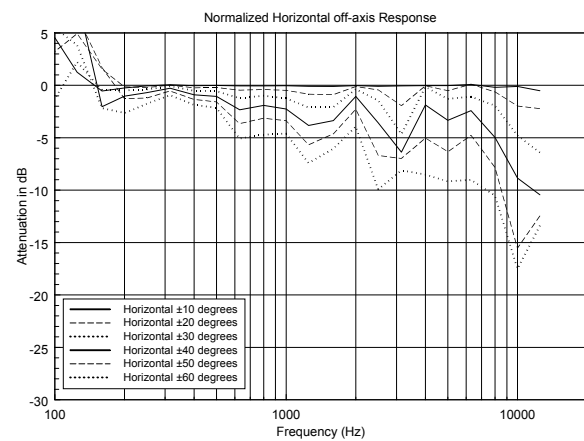
TTL11A-B



TTL11A



TTL11A

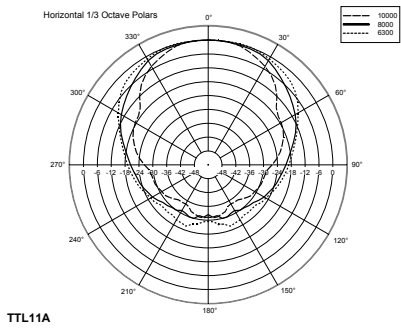
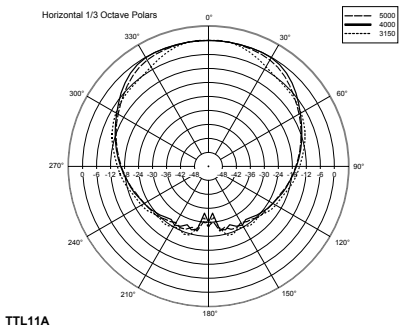
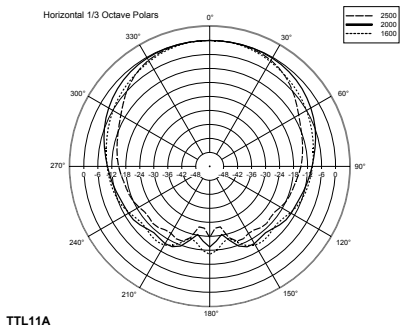
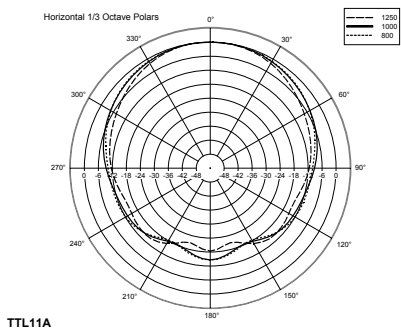
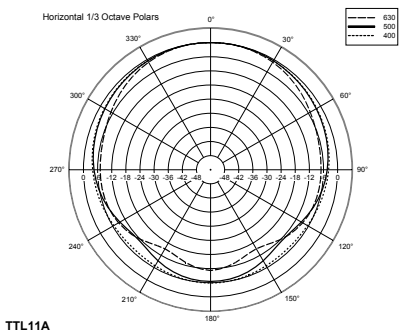
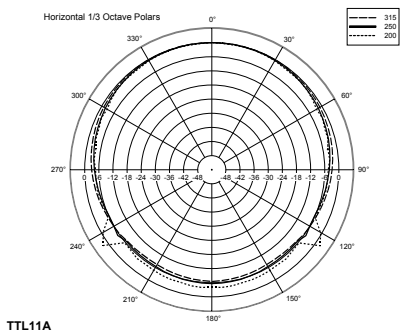


TTL11A



TTL11A-B

HORIZONTAL 1/3 POLAR PLOT



TTL11A-B

PART NUMBERS

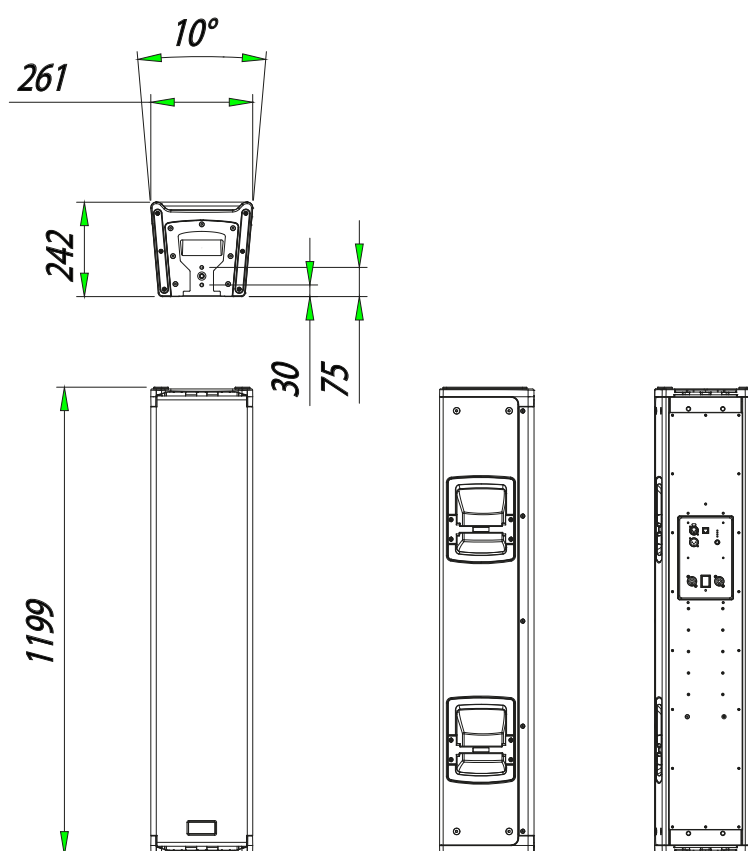
13000237 (TTL11A-H 230V)

13000238 (TTL11A-H 115V)

13000239 (TTL11A-B 230V)

13000240 (TTL11A-B 115V)

DIMENSIONS (All data are in mm)



ACCESSORIES

AC ASSEMBLY TTL11/TTS26	Accessory to link TTL11A system to TTS26-A subwoofer. (including 4 quick lock pins)
AC ASSEMBLY TTL11AH/B	Accessory to link TTL11A-H to TTL11AB. (including 2 quick lock pins)
AC RD-NET IN-OUT PLUG	RD Net Control Board