

# TTL12-AS

## LINE ARRAY SUBWOOFER MODULE



The TTL12-AS is an extremely compact high power subwoofer designed to complement the TTL31-A Speaker System. Based around a band pass design using a newly designed 4" voice coil vented neodymium 12" woofer, it features lightweight, high force, neodymium magnet assembly, incredibly linear frequency response characteristics, the highest power handling of any comparable 12-inch transducer, the lower power compression.

A fully optimised T-pole design generate the minimum amount of flux modulation, the unique dual-forced air venting system guarantee a very efficient voice coil ventilation for minimum power compression and higher power handling.

The amplifier section features 1000 watt Class D power switching amplifier.

The input section provides In/Out XLR connectors, Crossover Out XLR connector, system sensitivity control (linear potentiometer), 4 status LEDs, the AC panel features In/Out Powercon connectors, On/Off switch.

Power amplifiers are driven from a very accurate analog input board: perfect linearity and audio quality, soft peak limiter, rms limiter.

The cabinet is in marine baltic birch plywood, coated with high resistance epoxy paint. The mechanical suspension system is in high quality steel, very precise and easy to use. The suspension system is directly connected to the aluminum sides of the cabinet.

### Applications

- Small theatres and night clubs
- Seamless integration with TTL31A loudspeakers
- Portable and installed audio-visual systems
- Houses of worship
- Surround playback systems

### Features

- Precise rigging system simplifies integration in flown or ground-stacked arrays
- Very compact size (390x 538x530mm / 15.35"x21.18"x20.86")
- Maximum output per size available on market
- Minimum weight (37Kg / 81.41lbs)
- High power full neodymium 12" transducer
- 1000 Watt switching amplifier
- XLR in/out, Powercon in/out
- Baltic birch cabinet

### ACOUSTICAL SPECIFICATIONS

Frequency response:	40 Hz- 120 Khz
Max SPL:	131 dB
Horizontal coverage angle:	-
Vertical coverage angle:	-
Compression driver:	-
Midrange:	-
Woofer:	12" neo, 100 mm voice coil

### INPUT SECTION

Input signal (Impedance):	bal/unbal
Input/Output connector:	xlr
Input sensitivity:	- 2 dBu / + 4 dBu

### PROCESSOR SECTION

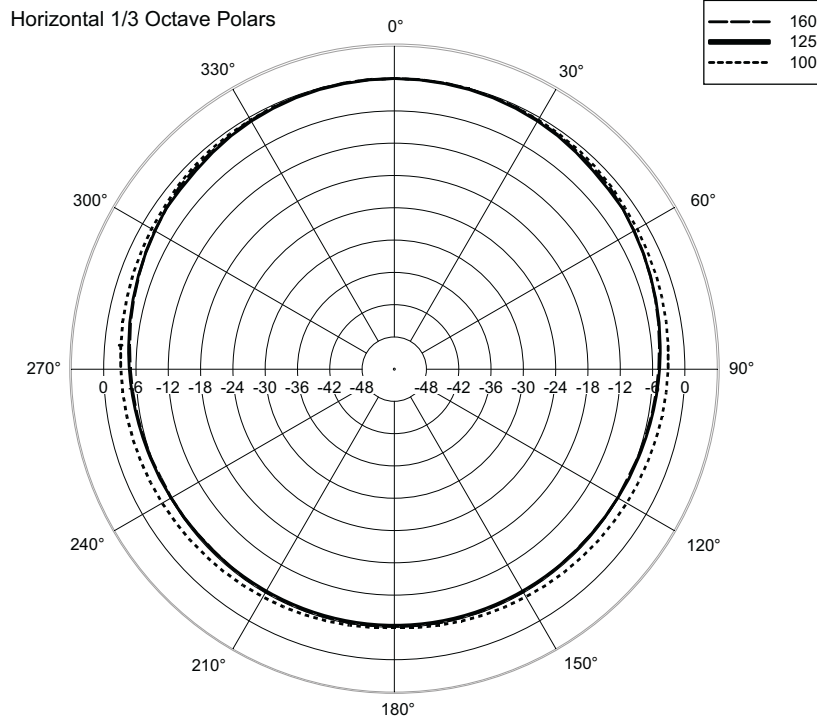
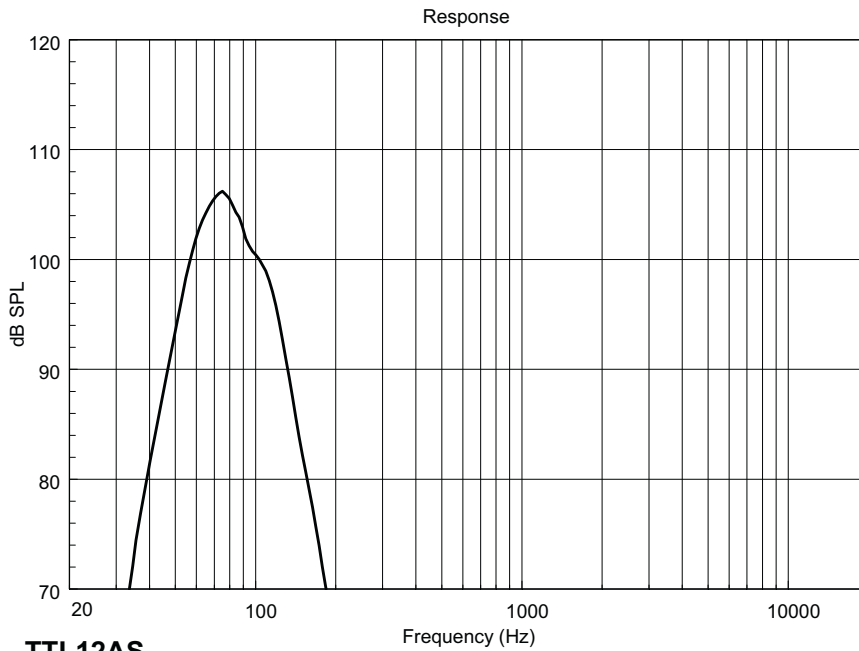
Crossover frequencies:	80/110 Hz
Protections:	thermal, hf
Sensitivity control:	yes
Limiter:	rms, fast limiter
High pass:	-
Controls:	80/100 add crossover, phase

### AMPLIFIER

Power supply:	switching 1000 Watt
High frequencies:	-
Mid frequencies:	-
Low frequencies:	D / 1000 Watt
Cooling:	convection
Connection:	powercon in/out

### PHYSICAL

Height:	390 mm (15,35")
Width:	538 mm (21,18")
Depth:	530 mm (20,86")
Weight:	37 kg (81,41 lbs)
Cabinet:	baltic birch
Hardware:	array side fittings, pole mount
Handles:	2 on side
Pole mount cap	ready
Colour:	Black



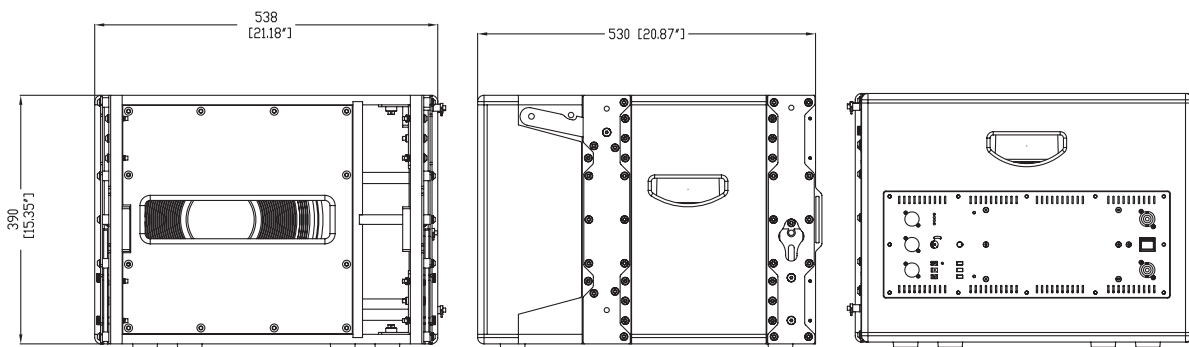
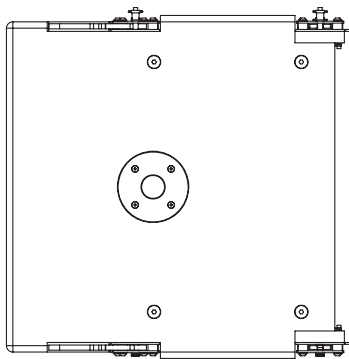
CSI PRODUCT SPECIFICATIONS FOR DESIGNERS, SPECIFIERS, AND CONSULTANTS (ALSO KNOWN AS "A&E SPECIFICATIONS")

The following are "Part 2 Products" CSI-type specifications. It is assumed that "Part 1 General – Administrative and Procedures" and "Part 3 Execution – Installation and Maintenance" are part of an overall audio system or project specification.

## PART 2 PRODUCTS

### 2.01 Approved Manufacturer/Product

- A. RCF, Via Raffaello 13, 42100 Mancasale, Reggio Emilia, Italy.
- B. Model number: TTL12-AS



### 2.02 Design

Configuration	line array subwoofer module
LF Sub-section	12" neodymium woofer, 100 mm voice coil
MR Sub-section	-
HF Sub-section	-

### 2.03 Acoustical Properties

Nominal dispersion angle:	-
Axial frequency range:	40Hz-120kHz

### 2.04 Physical Properties

Cabinet:	Baltic birch
Rigging inserts:	array side fitting, pole mount
Color:	Black
Grille:	Custom perforated steel grille with open-cell poly fiber backing
Input Connectors:	xlr
Dimensions (H x W x D):	390 x 538 x 530 mm (15.35" x 21.18" x 20.86")
Weight:	37 kg (81.41 lbs.)

### 2.05 Accessories

FLY BAR TTL31	Suspending bar for array system TTL31-A
STCK BAR TTL31	Accessory to add to fly bar for stacking option on sub TTL31-A. Quick lock pins to be added
AC QL-PIN TTL31-A	Kit 4 quick lock pins for TTL31-A array system