



Active PA System

Application:

PA system for multi-purpose spaces, houses of worship, auditoriums, clubs, restaurants, karaoke bars, music bands.

Kit Contents:

- Loudspeaker **DELTA3210** 2 pcs.
- Active subwoofer **TX5115-PT.01** 2 pcs.
- Adjustable speaker stand **PSS-01** 2 pcs.
- Connecting cables 2 pcs.
- USB cables 1 pc.

Maximum output SPL 129 dB SPL

Total set power handling – 2100 W

Frequency range 41 Hz – 19 kHz

Coverage 90°H x 60°V

Adjustable satellite installation height by means of speaker stand

Ability to install satellites vertically and with -10° tilt

Satellite: two-way loudspeakers based on 10" LF speakers (EMINENCE) and 1" HF driver (B&C Speakers)

Subwoofer: active loudspeaker based on 15" speaker (B&C Speakers)

Built-in three-channel class D amplifier 2100 W RMS (1400 W Sub + 2 x 350 W Sat) with DSP engine for FIR sound processing

LCD display for information output and system setup

Built-in noise generator for live sound setting

System menu for change sound setting: levels, EQ, separate components delay and general system delay

Intuitive navigation through the system menu by means of encoder

Ability to save 10 user presets



Loudspeaker-satellite DELTA3210

Two-way loudspeaker is a combination of 10" LF speaker and 1" HF driver (**Eminence**).

Signal separation into frequency bands is performed via passive filter.

The **DELTA3210** has trapezoidal cabinet, which is made of birch plywood with black water-polymer coating (other colours available). The sloping side walls of the cabinet reduce internal reflections and prevent the occurrence of standing waves. The front panel of the loudspeaker is covered with a decorative steel grid with powder coating.

Stand flange (35 mm) for installing to the speaker stand is located on the bottom wall. The flange allows two variants of installing the loudspeaker:

- vertically;
- with tilt 10° down.

The recessed handle for carrying is located on rear of the loudspeaker.

Active Subwoofer TX5115-PT.01



Active subwoofer **TX5115-PT.01** is based on 15" woofer (B&C SPEAKERS, Italy), installed into the front panel of the cabinet.

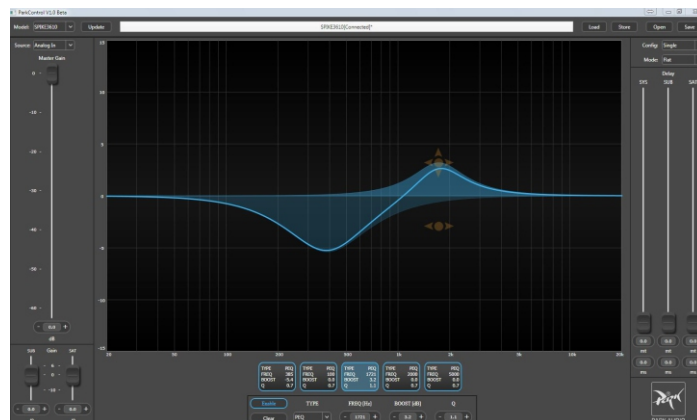
Acoustic design - bass reflex.

The **TX5115-PT.01** cabinet is made of birch plywood with black water-polymer coating. The front panel of the loudspeaker is covered with a decorative protective steel grid. Additional protection against moisture is provided by acoustically transparent foam, glued to the inner surface of the grid. Two ergonomic handles for carrying are located on both sides. The flange for speaker stand is located on the top of the subwoofer.

The class D amplifier (1400 W+2 x 350 W) is installed on insulated compartment into rear

The amplifier is equipped with **DSP** engine, which provides functions of crossover, optimal EQ, time alignment, limiting and speakers overload protection

The system settings (configuration, modes, EQs, delay, user presets, etc.) are performed by **ParkControl** software via personal computer. The amplifier is connected to the computer via USB.

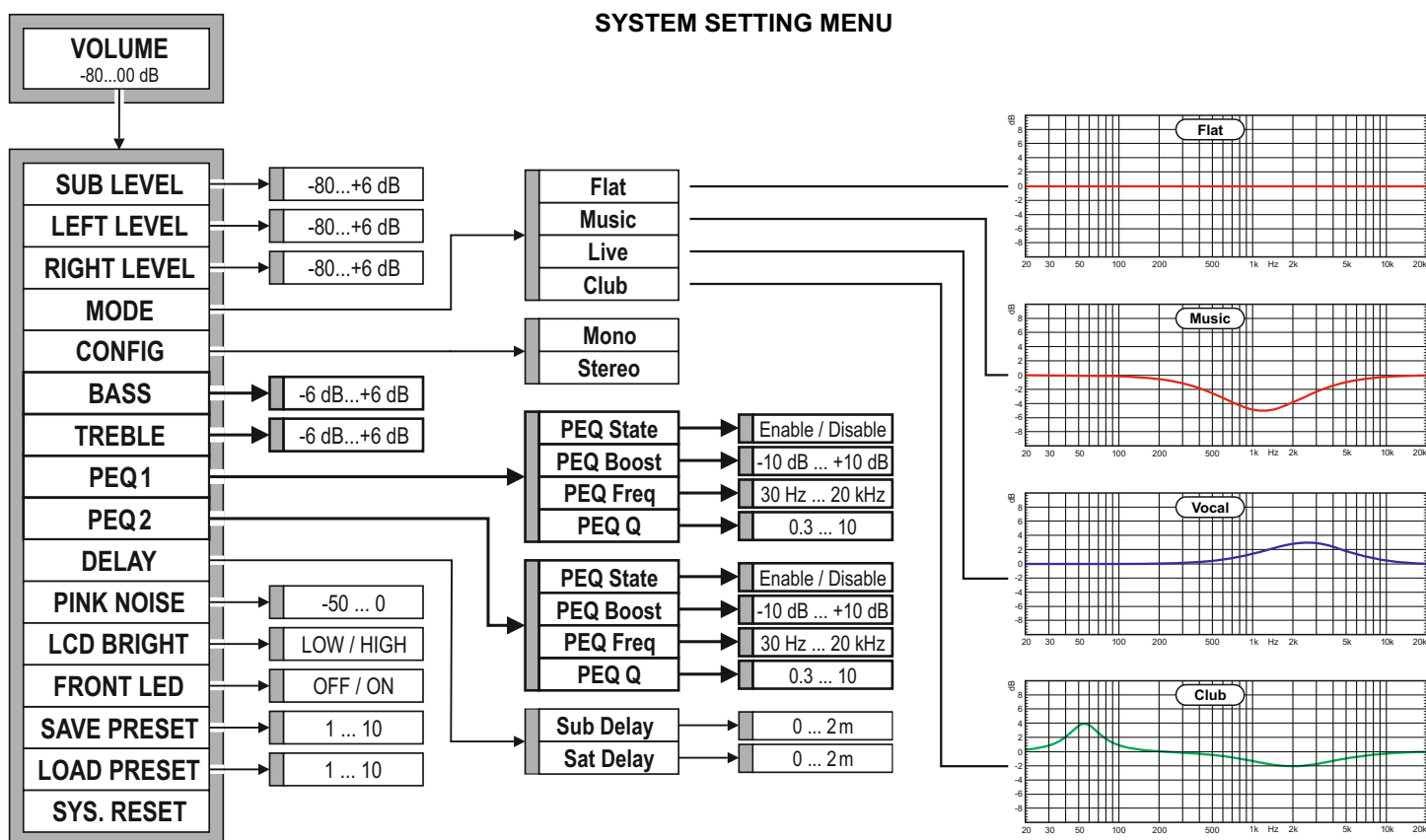


Besides, the system settings can be done via system menu on the LCD display of the built-in amplifier. Intuitive navigation through the system menu is performed via encoder

The amplifier has switching power supply and forced cooling system with smoothly variable intensity.

It is also equipped with overload and short-circuit protection, thermal protection and DC output protection.

SYSTEM SETTING MENU



TECHNICAL DATA

Magic Set 2100.01

Total Power Handling	2100W
Maximum Output SPL	130 dB
Frequency Range	46 Hz – 17kHz

Loudspeaker DELTA3210

Configuration: two-way loudspeaker

Acoustic Design: Bass reflex

LF Driver: 10"dia (EMINENCE), voice coil 2.5"

HF Driver: 1"dia (B&C Speakers), voice coil 1"

Specifications

Power Handling (Nom./Contin.)	350/700 W
Nominal Impedance	8 Ohms
Frequency Range	90 Hz - 19kHz
Sensitivity	97dB
Maximum Output SPL* (full space)	123dB / 1m
Coverage	90° H x 60° V
Weight	13 kg
Dimensions	295 (W) x 470(H) x 255(D) mm

Subwoofer TX5115-Pt.01

Configuration: Active subwoofer.

Acoustic Design: Bass reflex

LF Driver: 15"dia (EMINENCE), voice coil 4"

Specifications

Power Handling (Nominal)	1000 W
Power Handling (Continuous)	2000 W
Frequency Range	41 – 140Hz
Sensitivity	97dB
Maximum Output SPL* (half space)	129dB / 1m
Weight	40kg
Dimensions	580(W) x 465(H) x 536(D) mm

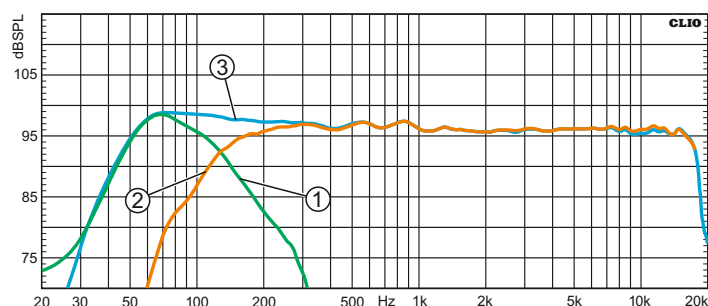
Built-in Amplifier with DSP engine (installed into TX5115-PT.01)

Power Rating (RMS):	
– subwoofer channel	1400 W, class D
– satellite channel	2 x 350 W, class D
Sensitivity	775 mV
Input Impedance	10 kOhms
Signal-to-Noise Ratio	98dB (unweighted)
Input/ line output	XLR/XLR
Power Requirements	~220/230 V, 50/60 Hz
DSP engine:	Sampling Rate 48kHz, DAC/ADC 24-bit, Internal Processing 56-bit.

Note.

*For comparison purposes and in accordance with common industry practice, maximum SPL specifications are calculations based upon transducer sensitivity, amplifier output voltage and speaker impedance.

MAGIC SET 2100.01 FREQUENCY RESPONSE



① – Subwoofer TX5115-Pt.01

② – Satellite DELTA3210

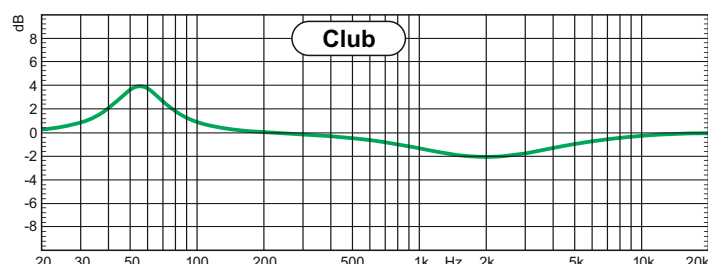
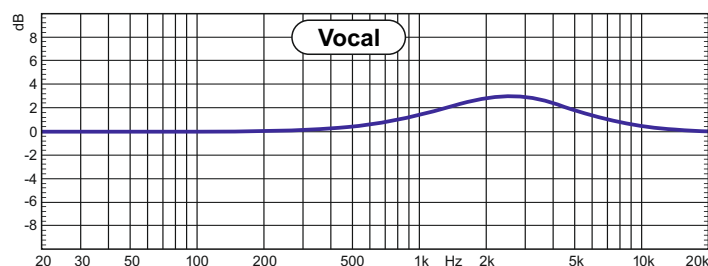
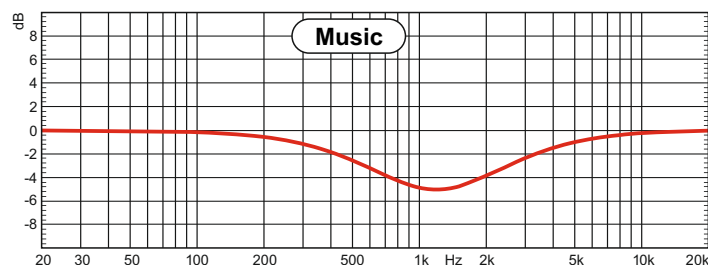
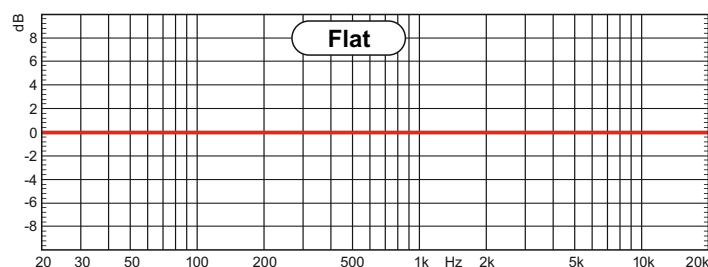
③ – Kit Magic Set 2100.01

Components and total kit frequency response (SPL curve) are made via CLIO FW11.

Settings for measurements:

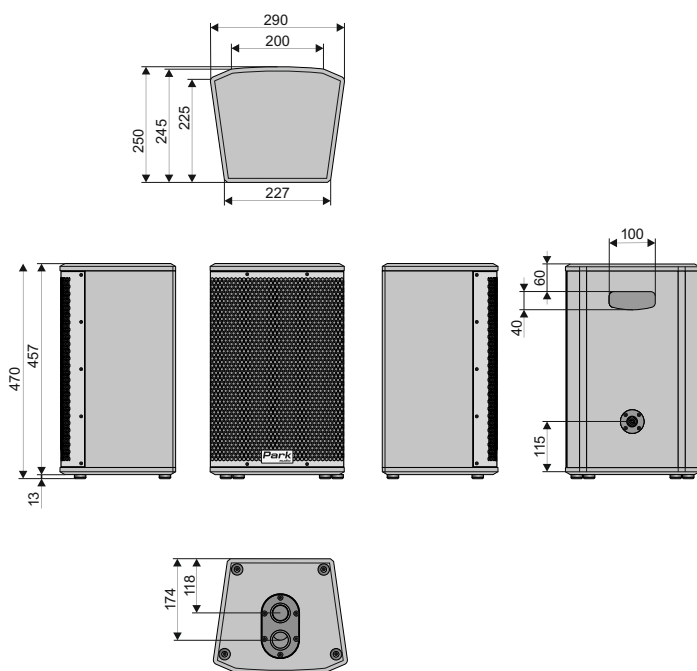
MODE – FLAT; SUB LEVEL – 0.0dB; SAT LEVEL – 0.0dB; PEQ1, PEQ2 State – Disable.

FREQUENCY RESPONSE CORRECTION FOR VARIOUS MODES

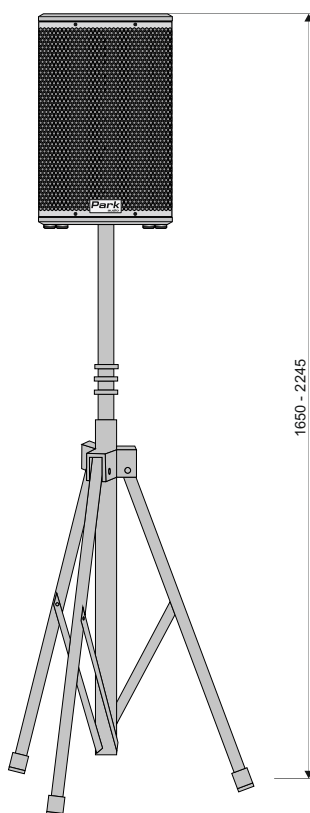


DIMENSIONS

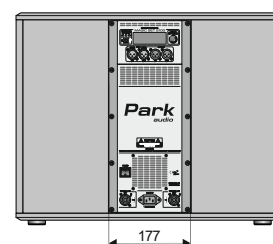
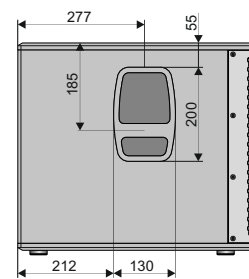
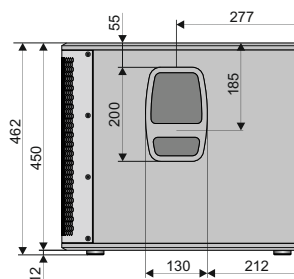
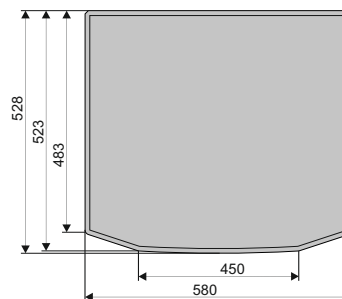
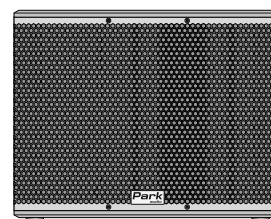
LOUDSPEAKER-SATELLITE DELTA3210



**LOUDSPEAKER-SATELLITE DELTA3210
ON SPEAKER STAND**



SUBWOOFER TX5115-PT.01



Top View

