



Application:

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

Kit maximum output SPL 125 dB

Total kit power handling 1260 W

Frequency range 50 Hz-17 kHz

Coverage 140°H x 20°V (array effect)

Quick kit mounting system

Adjustable sound column height (by means of speakers stand)

Adjustable vertical tilt of VA306.05 from -5° to +5° (optional mounting bracket WM3)

Scalability: can be used as a stereo set or a monostack

Satellite: line source loudspeaker – sound column composed of 6 x 3" full range speakers

Subwoofer: Active subwoofer with 10" loudspeaker (ferrite magnet)

Built-in amplifier 350 + 280 W RMS with DSP engine for FIR sound processing

LCD display for information output and system setup

USB port for system setting by personal computer

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

Kit Contents:

- Compact line source speaker **VA306.05** 2 pcs.
- Active subwoofer **MG 110-P.05** 2 pcs.
- Adjustable speaker stand **PSR-01** 2 pcs.
- Connecting cables 2 pcs.
- USB cables 2 pcs.

Active PA System



VA306.05 Compact Speaker

Compact acoustic system **VA306.05** consists of 6 full-range speakers, installed in a vertical line. Transducers, placed as a line array system, create a cylindrical waveform. The sound pressure level decreases by 3dB each time the distance doubles. As a consequence, it is possible to double coverage for the same acoustic pressure. Due to lower level of reflections from ceiling and walls **VA306.05** guarantees excellent result in reverberant acoustic conditions.

Besides, the loudspeakers, consisting of fullrange speaker group, has high linear phase response, which together with their very low harmonic distortion gives very clear sound reproduction in a vocal range.

All the above mentioned features allow to ensure "long-throw" and very flat coverage of the target area. High resistance to the acoustic feedback makes the loudspeaker ideal for karaoke-bars, where non-professional users enjoy the microphone.

The speaker cabinet is made of metals: side walls – aluminum profile, rear, front panels and grid – steel. Cabinet coating – powder paint.

The signal is connected via **SpeakON**, located on the rear panel of the loudspeaker.

Active Subwoofer MG110-P.05



Active subwoofer **MG110-P.05** is based on 10" woofer, installed into the front panel of the cabinet.

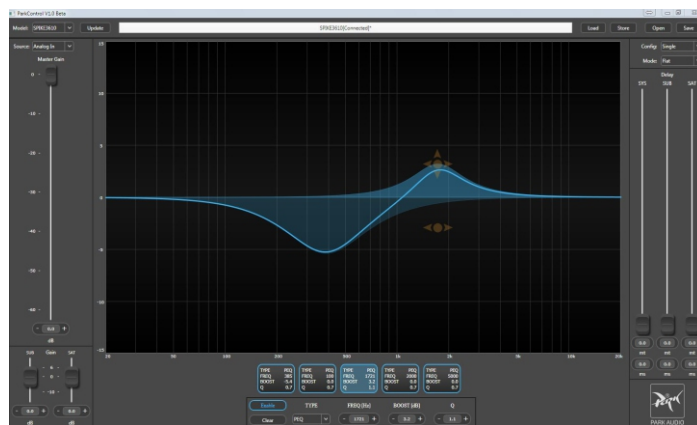
Acoustic design - bass reflex.

The **MG110-P.05** 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. Ergonomic handle for carrying and flange are located on the top of the subwoofer.

The class D amplifier (350 W + 280 W) is installed on insulated compartment into rear panel.

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.

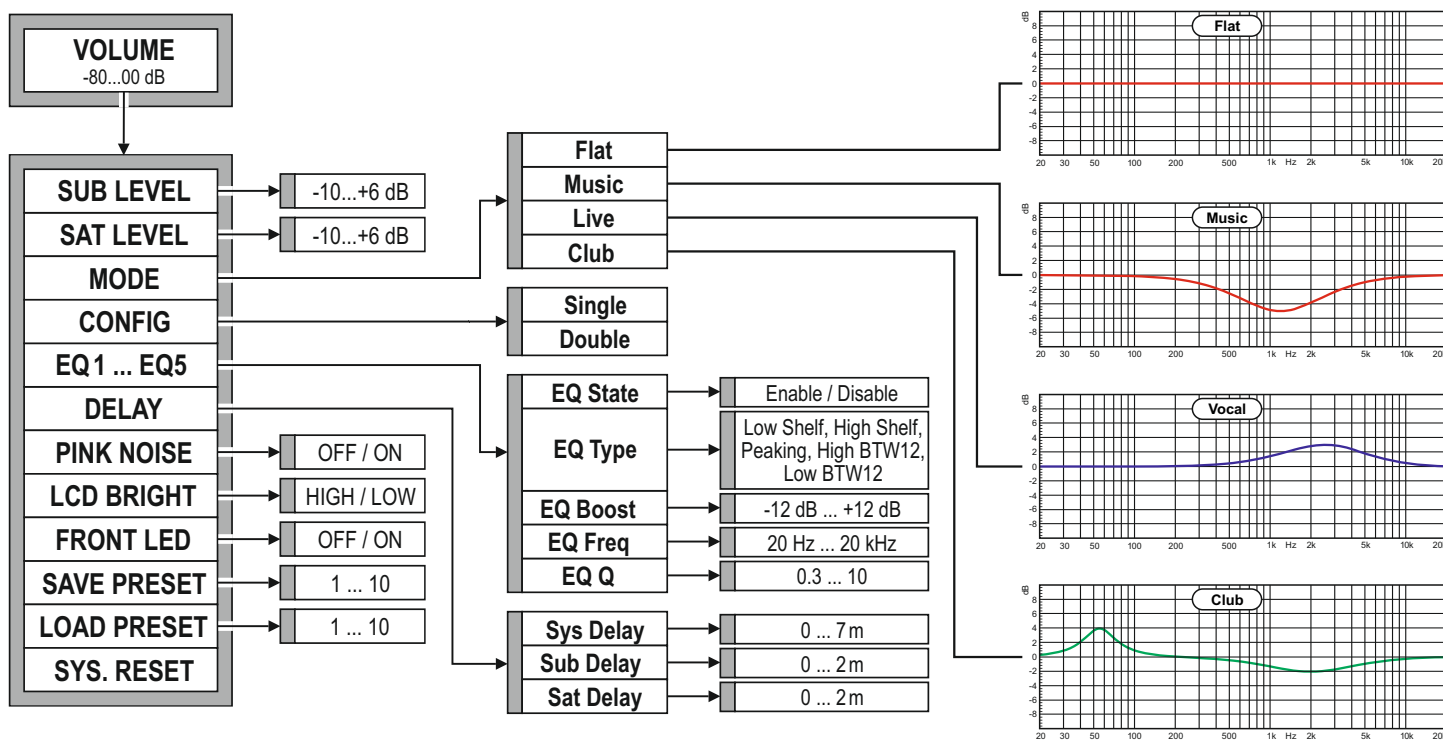


Besides, the system settings can be done via system menu on the LCD display of the built-in amplifier. Intuitive navigation through the system menu is performed via encoder

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

KIT SPIKE 3610.05

Total Power Handling	1260W
Maximum Output SPL	125 dB
Frequency Range	50Hz–17kHz

VA306.05 Speaker

Configuration and Acoustic Design

Line source loudspeaker - sound column.

Sealed box.

Transducer: 6 x 3"dia full range speaker

Specifications

Power Handling (Nom./Contin.)	120/240W
Nominal Impedance	10 Ohm
Frequency Range	140 Hz - 17 kHz
Sensitivity	96dB
Maximum Output SPL* (full space)	98dB/ 12m
Coverage:	
– horizontal	140°
– vertical	20°(array effect)
Weight	6 kg
Dimensions	105 (W) x 515 (H) x 114 (D) mm

Subwoofer MG110-P.05

Configuration and Acoustic Design

Active subwoofer.

Rectangular cabinet, bass reflex

LF Driver: 10"dia, voice coil 2"

Specifications

Power Handling (Nominal)	200W
Power Handling (Continuous)	400W
Frequency Range	50 – 250 Hz
Sensitivity	93dB
Maximum Output SPL* (half space)	122 dB / 1 m
Weight	16.5 kg
Dimensions	325 (W) x 395 (H) x 505 (D) mm

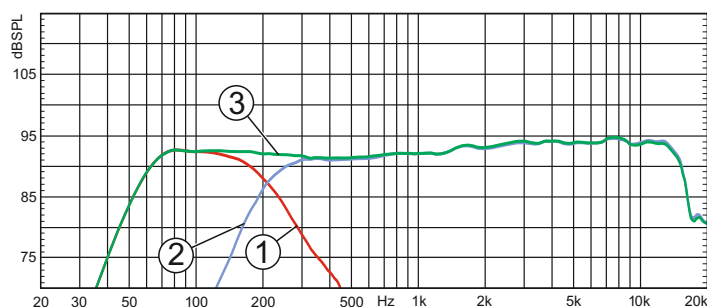
Built-in Amplifier (installed into MG110-P.05)

Power Rating (RMS):	
– subwoofer channel	350W, class D
– satellite channel	280W, class D
Sensitivity	775mV
Input Impedance	10kOhms
Signal-to-Noise Ratio	98 dB (unweighted)
Input/ line output	XLR / XLR
Power Requirements	~220/230 V, 50/60 Hz
DSP engine:	Sampling Rate 48 kHz, 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.

SPIKE 3610.05 FREQUENCY RESPONSE



- ① – Subwoofer **MG110-P.05**
- ② – Satellite **VA306.05**
- ③ – Subwoofer **MG110-P.05** + Satellite **VA306.05**

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

Settings for measurements:

CONFIG – SINGLE, **MODE** – FLAT, **EQ 1-EQ 5 State** – Disable.

ACCESSORIES

(option)



Distance rod **PSR-02** (250mm)



Adjustable bracket **WM3**



Case for **VA306.05** speaker and distance rod **PSR-01**

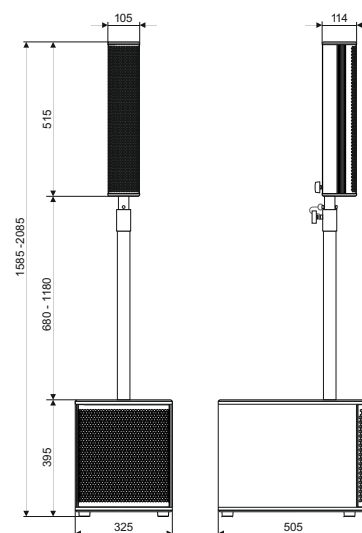


Case for Subwoofer **MG110-P.05**

SPIKE3610.05 MOUNTING CONFIGURATIONS

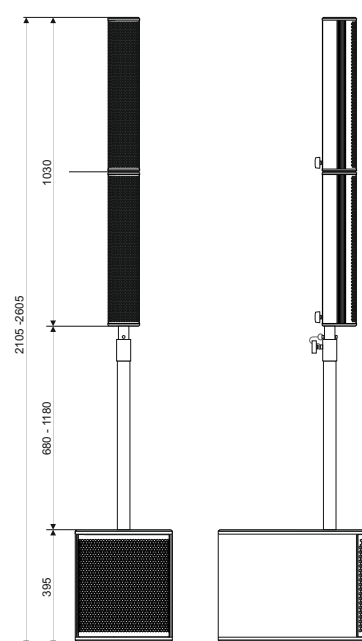
STEREO-KIT

Preset: **SINGLE**



MONOSTACK (variant 1)

Preset: **DOUBLE**



MONOSTACK (variant 2)

Preset: **DOUBLE**

