



TA604 • TA604L • TA604D • TA604DL



Class **D** topology

•  
Natural cooling

•  
Stabilized switching power supply

•  
Switchable AUTO STANDBY function

•  
Input and output connectors –  
Euroblock

•  
Signal LEDs

•  
Overload and alarm LEDs

•  
1U height

•  
Detachable power cord

### Models for Operation on Line (index **L**)

•  
Matching transformers for constant  
voltage line 70V/100V

### Models with DSP Engine (index **D**)

•  
EQ, filters and output signal limiting

•  
Two Post DSP line outputs

•  
4 ports for remote level control

•  
USB port for DSP setting

### ParkEditor Control Software

•  
Setting of EQ, delay and output  
signal limiting parameters by DSP  
engine (incl. creation of big projects,  
consisting of many amplifiers)

•  
Ability to choose loudspeaker from  
the given library

**TA** series amplifiers are designed for fixed installations, which usually require a huge amount of loudspeakers fed by the same amplification channel.

The series includes four-channel amplifiers:

- TA604;
- TA604L;
- TA604D;
- TA604DL.

The amplifiers without additional index in name (TA604) are designed for low impedance operation, the ones with index **L** - for operating on line with constant voltage 70V or 100V, amplifiers with index **D** are equipped with DSP engine.

**TA** series amplifiers are based on a modern, high performance D class topology, which has high efficiency and low heat generation. Natural cooling system provides noiseless operation and no need in technical maintenance.

Euroblock terminals are used as input and output connectors.

All amplifier models are equipped with switchable Auto stand-by function, which turns amplifier off in case there is no input signal for more than 5 minutes, and instantly turns it on when signal appears. Due to this function there is no need to switch the power off manually.

For operation on 70V or 100V constant voltage line, amplifiers is equipped with matching transformers.

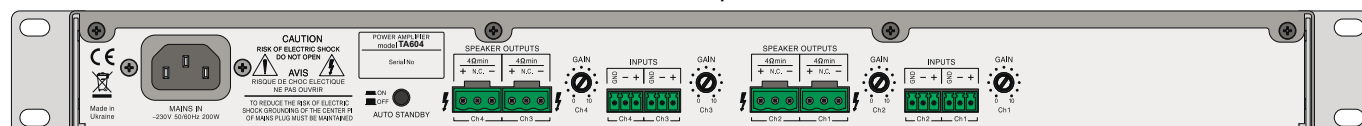
The series includes amplifiers with analog signal processing and models with DSP engine. The DSP engine ensures signal processing, including crossover filters, signal EQ, delay and limiting. The models with DSP engine have 4 ports for remote level control, which allows to put level controls in convenient place, separately from the amplifier. The DSP engine has configuration 2 inputs and 4 outputs, and has free signal routing from any input to any output.

The control software **ParkEditor** allows flexible routing, EQ and delay settings. The protective and user limiting can be customized. The speakers library can be used to create projects. The software also allows making offline setting of large projects, which can be quickly downloaded to several amplifiers via USB.

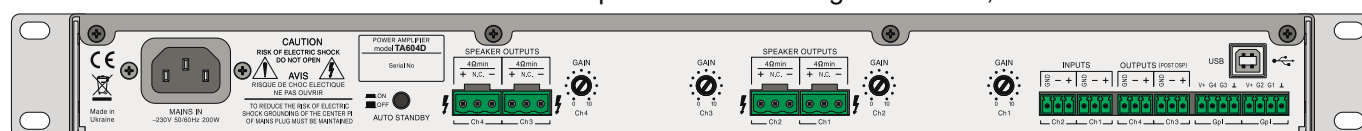
| Model                     | TA604                                      | TA604L              | TA604D                                                                 | TA604DL                                                                |
|---------------------------|--------------------------------------------|---------------------|------------------------------------------------------------------------|------------------------------------------------------------------------|
| Number of Channels        | 4                                          | 4                   | 4                                                                      | 4                                                                      |
| Number of Inputs          | 4                                          | 4                   | 4                                                                      | 4                                                                      |
| Output Power              | 4 x 150W*                                  | 4 x 150W*           | 4 x 150W**                                                             | 4 x 150W**                                                             |
| Frequency Range           | 20 Hz – 20 kHz                             | 100 Hz – 20 kHz *** | 20 Hz – 20 kHz                                                         | 100 Hz – 20 kHz ***                                                    |
| Sensitivity               | 0.775 V                                    |                     |                                                                        |                                                                        |
| Input Impedance           | 10 kOhms (balanced)                        |                     |                                                                        |                                                                        |
| Total Harmonic Distortion | 0.02 % ****                                |                     |                                                                        |                                                                        |
| Crosstalk                 | 60 dB (1 kHz)                              |                     |                                                                        |                                                                        |
| Signal-to-Noise Ratio     | 100 dB (unweighted)                        |                     |                                                                        |                                                                        |
| DSP engine                |                                            |                     | Sampling Rate 48 kHz<br>DAC / ADC 24-bit<br>Internal Processing 56-bit | Sampling Rate 48 kHz<br>DAC / ADC 24-bit<br>Internal Processing 56-bit |
| Power Requirements        | ~230 V, 50/60 Hz                           |                     |                                                                        |                                                                        |
| Power Consumption         | 120W (Pink noise, 1/8 power)<br>14W (STBY) |                     |                                                                        |                                                                        |
| Dimensions                | 482 mm (Ш) x 44 mm (В) x 300 mm (Г)        |                     |                                                                        |                                                                        |
| Weight                    | 4.2 kg                                     | 4.4 kg              | 6.7 kg                                                                 | 9.6 kg                                                                 |

- \* At 4 Ohms impedance.  
\*\* Output to line 70V or 100V.  
\*\*\* HPF 100 Hz, 24 dB/oct  
\*\*\*\* In operating frequency range.

#### Four-channel Installation Amplifiers TA604, TA604L\*



#### Four-channel Installation Amplifiers with DSP engine TA604D, TA604DL\*



- \* On output connectors on models with index L the line rated voltage is marked. On the output connectors of models without index in the name the minimal impedance and polarity are marked.

#### Wall Mounted Remote Level Control TA-VOL (for TA604D, TA604DL)

