

A&P SYNTHESIZERS

Analog drum box ADB-5

User's Guide



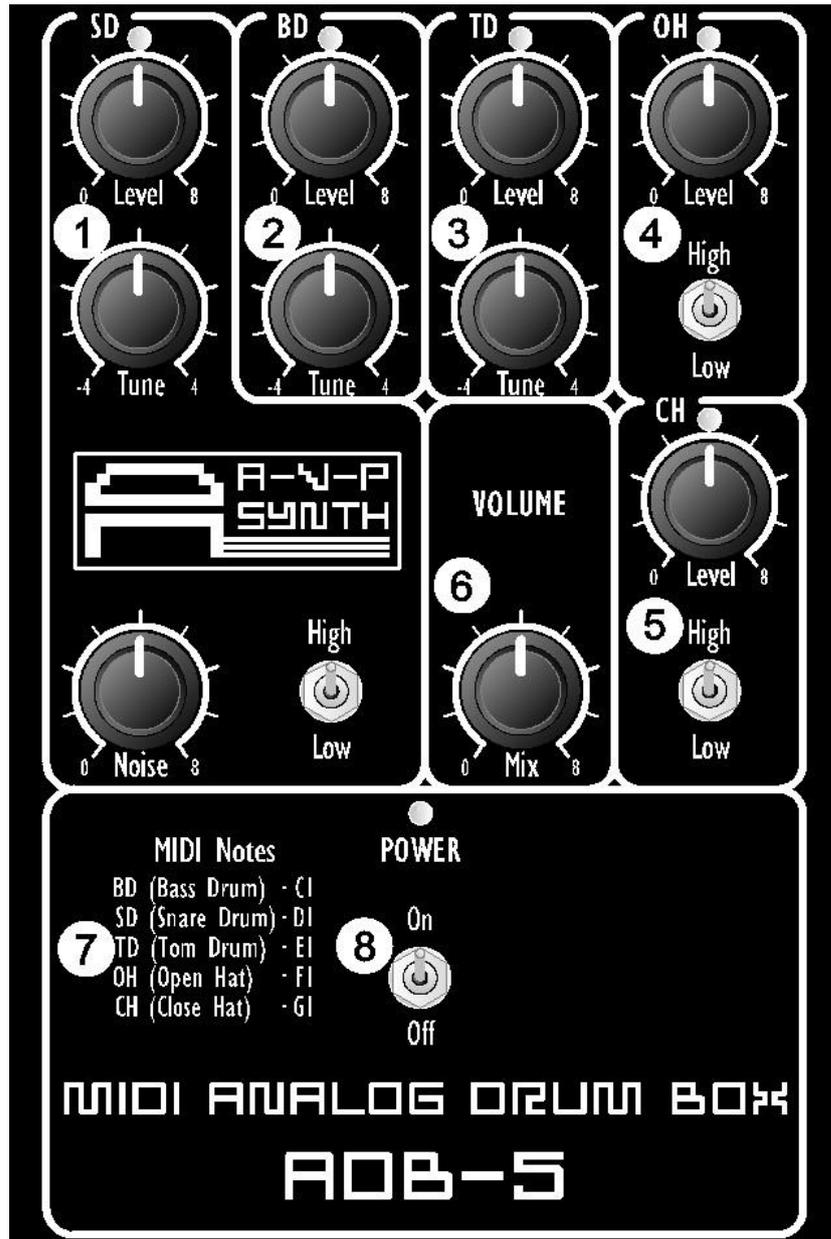
ADB-5 - analog drum synth with the sounds of the 70s for the 20th century with the ability of MIDI control. It has 10 knobs and 4 switches, with which you can control the parameters of the sound.

Specification

- The method of synthesis – 100% analog synthesis
- Shapers of the sound: 5; bass drum, snare drum, tom drum, open hat, close hat
- The noise generator (Noise): two; for SD and OH, CH
- MIDI interface: MIDI In, 16 channels
- Audio output: mono 6.3mm jack
- Controls: 10 knobs, 4 switches
- Power supply: adapter 15V DC

Controls

Front panel



Rear panel



- 1- Snare drum shaper (SD): level controls (Level), pitch (Tune), the noise level (Noise), switch tone (Low / High), LED indicating the trigger;
- 2- bass drum shaper (BD): level controls (Level), pitch (Tune), LED indicating the trigger;
- 3 - Shaper tom drum (TD): level controls (Level), pitch (Tune), LED indicating the trigger;
- 4 - Shaper open hat (OH): level controls (Level), switch tone (Low / High), LED indicating the trigger;
- 5 - Shaper close hat (CH): level controls (Level), switch tone (Low / High), LED indicating the trigger;
- 6 - Volume Control (VOLUME): Mix;
- 7 - MIDI specification (MIDI Notes);
- 8 - Power switch (POWER): On / Off, the power indicator;
- 9 - Adapter jack (POWER);
- 10 - MIDI Control: MIDI In;
- 11 - Audio output (OUTPUT).

Connecting ADB-5 drum box

Power (15V adapter): Connect the power adapter to the **POWER** jack

Audio output (6.3mm jack): In order to connect to a mixer or other audio interface/equipment, please Insert a mono jack 6.3 mm in the **OUTPUT** of **ADB-5**;

MIDI Input: Connect the **MIDI OUT** port of the sequencer or MIDI keyboard (or other MIDI device) to the **ADB-5 MIDI IN** port

Setting MIDI-channel

Attention! Before turning on the drum box set the desired MIDI channel (if necessary).

The default MIDI channel 1. To set the MIDI channel in the **ADB-5** you have to open the unit and change it on the DIP-switch inside.

To change the receive channel, you must unscrew the 4 screws from the bottom cover and install four pin DIP-switch in the position corresponding to the table, glued to the housing cover.

For transmitting the MIDI-messages, channels 1 to 16 are available. If you are sending a message on MIDI channel 3 and **ADB-5** is set to receive on channel 1, it will not receive the message. In order to receive that message, the **ADB-5** MIDI channel must correspond to the MIDI channel device that sends the MIDI-message.

Power on

Set the **POWER** switch to On, LED will light up.

Overview of controls

ADB-5 structure consists of five shapers for analog percussion sounds.

Each of the shapers has a level control (Level).

Bass drum, Snare drum, Tom drum have also controls for pitch (Tune) setting. For the forming of the Snare drum sound, a noise generator has been added, which is controlled by a separate controller (Noise).

Open hat, Close hat and Snare drum also have the tone switches (Low / High).

Working with MIDI

Each of the shapers of the **ADB-5** responds by pressing the respective keys on the MIDI-keyboard, another MIDI trigger device, or when receiving MIDI data from sequencer. When shapers receive MIDI control messages, the corresponding indicator lights start. The keyboard layout is shown below.

Keyboard layout

Control of shapers of the **ADB-5** is triggered by the following notes:

BD (Bass Drum) - C1 (note "C" of the first octave);

SD (Snare Drum) – D1 (note "D" of the first octave);

TD (Tom Drum) - E1 (note "E" of the first octave);

OH (Open Hat) - F1 (note "F" of the first octave);

CH (Close Hat) - G1 (note "G" of the first octave).

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