

Versatile guitar effects platform  
AMT U-2 PANGAEA ULTIMA BRAIN FRAME  
AMT Bricks Series



AMT Electronics presents the new device - AMT U-2 Pangaea Ultima Brain Frame. The device is a hardware platform on the basis of which various guitar effects can be implemented in software. Changing the functionality of the device is carried out by changing the "firmware" of the device. This device complements the AMT Bricks series of devices. The AMT Bricks series includes various devices (preamps, effect pedals, noise suppressors, cabinet simulators, device controllers, pedalboards, etc.). Uniting the AMT Bricks series factor is their design and functional compatibility. Most of the devices of the series can be used both independently and together.

#### APPEARANCE, CONNECTORS AND CONTROLS



Рис. 1

1. OUT R - output connector (TRS) of the right channel of the device. This is a balanced output. The output level can be adjusted from + 4dBV to zero and, accordingly, this output can be used with both line and microphone inputs. When using a cable with a TS connector, the output can be used as unbalanced.
2. MIDI IN/F. SW-A is a multi-function connector (TRS mini-jack 3.5 mm), used for connecting the MIDI OUT from an external device or two-button footswitch.
3. Phones - headphones jack. The headphones receive sound from the right and left output channels and sound applied to the AUX IN input.
4. EXP / F.SW-B - multi-functional connector (TRS mini-jack 3.5mm), used to connect an expression pedal or two button footswitch.
5. OUT L(MONO) - output connector (TRS) of the left channel of the device. This is a balanced output. The output level can be adjusted from + 4dBV to zero and, accordingly, this output can be used with both line and microphone inputs. When using a cable with a TS connector, the output can be used as unbalanced.
6. CTRL IN/OUT - TRS 3.5mm external control connector (input/output)
7. Encoder-used for menu navigation and setting parameters.
8. ESC/EDIT-button for entering and exiting preset editing mode.
9. OLED - display.
10. Foot Switch Button-the button can perform various functions depending on the selected functionality of the device and its settings. For example, it can turn on effects and switch the device in By-Pass mode, or switch presets.

- 11, 12, 13, 14. - EXT.F. SW\_A1,A2, B1,B2 LEDs. The main function is to indicate the status of the contacts of external footswitches connected to connectors 2 and 4. LEDs A are responsible for the TIP contacts, LEDs B are responsible for the SLEEVE contacts.
15. CLIP/TAP-the Led indicates different States depending on the functionality of the device, for example, if the delay program is loaded into the device, the led flashes according to the time set for delay or modulation. Also, the led indicates the excess of the allowed input signal level.
16. Protective arc.
17. EXT.F - the led is used when the VC16 is used as part of the AMT Pedalboard
18. Check- Led indicating the activation of the effect. Depending on the functionality of the device, this led may also display other device states.
19. USB - use a USB cable to connect the device to your computer. Connecting to the computer allows you to update the device firmware, download IR files, copy the device presets to/from the computer.
20. DC 12V - power connector of the device (Central contact - minus !!!).
21. IN R-audio input of the right channel of the device. If the functionality with only a mono input is loaded, this connector is not used.
22. AUX IN - input for connecting an additional audio signal (soundtrack). The signal from the AUX IN input goes only to the PHONES output and does not go to the main outputs OUT L, OUT R.
23. IN L (MONO) - audio input of the left channel of the device.
24. "Petals" with holes for mounting the device on your pedalboard
25. Interface connector for the device operation as part of the AMT Bricks Pedalboard

### SPECIFICATIONS

IN L, IN R	Inputs of the Left and Right channels: input impedance 470 kOhm rated input voltage of audio signal 0.316Vrms (-10dBV) maximum sinusoidal voltage 2.5V (+8dBV)
AUX IN	Input impedance 2kOhm maximum sinusoidal voltage 0.85V (-1.4dBV)
OUT L, OUT_R	Outputs of the Left and Right channels output impedance 1,5kOhm (unbalanced output) maximum sinusoidal voltage 2,6V (unbalanced output) phantom power protection - present
PHONES	Output to headphones minimum headphone impedance 32 Ohm maximum output sinusoidal voltage (no load) 2,6V (8dBV) output impedance 12 Ohm
POWER	Voltage DC 12V Current consumption Approx. 300mA
DIMENSION	(HxWxD) 47mm x 55mm x 95mm
WEIGHT	270 g (without package)

### THE COMPLETE SET INCLUDES:

- AMT PANGAEA ULTIMA U2 1pc.  
Packaging 1 pc.  
Warranty card 1 pc.

**!!! ATTENTION !!! A POWER SUPPLY ISN'T INCLUDED IN THE SET.**

