



Stutterfly

User's manual

www.amtelectronics.com

Safety precautions.

CAUTION! There are no user serviceable parts inside. Repair of the device can be carried out only by qualified experts. If the device is not used it must be disconnected from mains.

WARNING! In order to avoid fire or electric shock the device must not be exposed to rain or moisture. Do not let water or other liquid get inside the device. Do not place vessels such as vases filled with liquid on top of the device.

Please read the instruction manual very carefully.

1. Keep the user's guide at hand.
2. Follow all instructions related to device operation.
3. To clean the device, use only a dry cloth having disconnected the device from mains prior to that.
4. Do not place the device near heat sources, keep it from direct sunlight.
5. Lay the mains cable so that it is not stepped on and avoid its contact with sharp corners, etc. If you use the plug or outlet for switching the device off they should be easily accessible.
6. Use only additional devices and accessories recommended by the manufacturer.
7. Disconnect the device from mains in case of thunder-storm or when the device is not in use for prolonged time.
8. All works related to the device repair must be done only by qualified service personnel.
9. **WARNING!** All service instructions are intended only for qualified personnel in order to avoid electric shock; do not carry out any repair works which are not described in the instruction manual. Repair works must be carried out only by qualified experts.

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IMPORTANT INSTRUCTIONS!

NON-OBSERVANCE OF THE FOLLOWING INSTRUCTIONS CAN CAUSE DAMAGE OF THE AMPLIFIER OR SPEAKERS. THE DAMAGES RESULTED BY NON-OBSERVANCE OF THESE INSTRUCTIONS MAKE THE WARRANTY VOID.

- After transportation or storage of the product under negative temperatures, before switching the device on it is necessary to leave the device under room temperature in its original package for AT LEAST 2 hours!
- To connect the guitar pedal to other devices use only the cables intended for such connections.
- You must not use other cables types such as speaker, etc.

SWITCHING ON the guitar pedal:

- Switch the device on **ONLY AFTER YOU HAVE DONE** all audio connections!
- Before connecting the pedal to mains make sure that the case, the connecting cable and the of the power adapter have no damages such as cuts, cracks, dents, etc. and are operational.
- To switch the pedal on first insert the low-voltage connector of the power adapter into corresponding jack of the guitar preamp and only then plug the adapter into the mains outlet.

SWITCHING OFF the guitar pedal:

To switch the pedal off first disconnect the power adapter from mains and then disconnect its low-voltage connector from the jack of the guitar pedal.

COMPLETE SET

The complete set includes:

1. AMT STUTTERFLY SY-1	1
2. Instruction manual	1
3. Packaging	1
4. Warranty card	1

General Characteristics

AMT STUTTERFLY SY-1 is intended for use both in studio and live performances.

AMT STUTTERFLY SY is a digital delay line.

The unit is based upon the high-quality DSP providing wide dynamic range of the device. The original circuitry design developed by AMT experts resulted in insignificant current consumption (less than 36mA). The refusal from operational amplifiers traditionally used in similar devices in favor of JFET has dramatically enhanced the pedal's sound.

The device features passive bypass which on one hand requires high-quality cables but on the other hand retains the original instrument sound when the effect is off.

AMT STUTTERFLY SY-1 Features

- passive bypass;
- direct signal untouched by the processor, totally analog;
- JFET transistors in sound section;
- high-quality components,
- film capacitors in sound section;
- lightness and compactness;
- low voltage consumption.

WARNING!

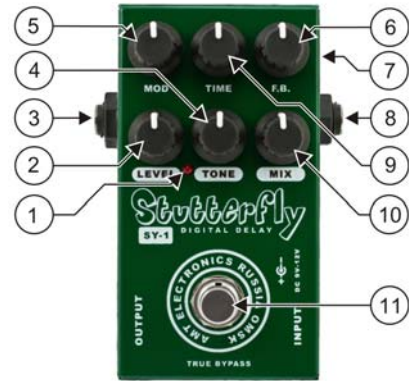
AMT STUTTERFLY SY-1 like any other high-class device is sensitive to the power adaptor quality. We do recommend to use either 9V 6F22 battery or high quality power adaptor matching the device's specifications.

Before you start

For the purpose of transportation the device was carefully packed by the manufacturer. However, if cardboard packaging is damaged, it is necessary to check the device for the presence of external damages.

- In case of damages do not send the device to us, but inform the seller and transport agency since otherwise you lose the right to damage compensation.
- In order to avoid damages during storage and transportation always use original packaging.
- Do not allow children to play with the device and packaging materials.
- Please recycle all packaging materials in the way harmless to environment.
- Operating the device next to powerful radio transmitters and sources of high-frequency signals can lead to significant sound distortion. In this case increase the distance between the device and the transmitter and use the screened cables for all interconnections.

Controls



1. Pedal operation indicator;
2. Output signal level control (in effect mode);
3. Output connector;
4. Signal tone variation control;
5. Delayed signal modulation depth control;
6. Delayed signal repetitions number control;
7. Power adaptor connector;
8. Input connector;
9. Signal delay time control;
10. Original vs delayed signal balance control;
11. EFFECT / BYPASS modes footswitch.

Specifications

Input resistance	1 MOhm
Response	Nom. -10dB (250mV) Max. +4dB (1V)
Output resistance	1 kOhm
Output level	Max. +8dB (2V)
Max delay time	1 s
Delayed signal repetitions change range	1-∞
Power source	6F22 battery
Power voltage	DC 9V...12V
Consumed current	36 mA (at U=9V) 30 mA (at U=12V)
Dimensions / Weight	
NET dimensions (WxHxD).	114x55x74 mm
NET weight (without battery)	0.28 kg.
GROSS dimensions (WxHxD).	Appr. 128x62x81mm
GROSS weight (without battery)	Appr. 0.32 kg

Battery replacement

Use only the batteries recommended by the manufacturer.

To replace the batteries:

1. Remove the bottom cover of the guitar pedal by slightly loosening two (two) fastening screws using a small cross screwdriver.
2. Remove the old battery and disconnect it from connector.
3. Connect the new battery to the connector and put in place.
4. Replace the bottom cover of the device and fasten it by means of 2 (two) fastening screws.