



# M-DRIVE

## User's manual

### FX-DRIVE Series

[www.amtelectronics.com](http://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.

#### Contents

Important instructions	1
Complete set	1
General Characteristics	2
Before you start	2
Controls	2
Individual Effects Features	2
Batteries installation	2

#### 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. Guitar pedal	1
2. Instruction manual	1
3. Packaging	1
4. Warranty card	1

## General Characteristics

Drive Series Effects are designed to be connected to "clean" channel inputs of guitar combos and amplifiers and are intended for getting overdriven guitar sound. The effects of the series allow performers to obtain warm, natural sound within a wide range of legendary tube amps preserving individuality of your instrument.

In the Drive Series we used new original circuitry solutions developed by AMT specialists based on tube stages emulation which allow you to get bright and rich sounds in the style of original tube overdrives while using low voltage (9V) power and insignificant electric current consumption (less than 4mA).

When using Drive Series Effects you should be aware of the fact that the resulting sound is mainly affected by the combo or amplifier you use as well as the instrument you play.

The series feature the passive bypass, which, on the one hand, is cable-quality dependent, on the other - retains the original sound of the instrument when the effect is off.

### CAUTION!

The pedals of AMT FX-Drive series like many other top-class devices are sensitive to power adapters' quality. We urgently recommend using either 9V battery 6F22 or the quality adapter

### 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



Drive Series Effects are easy to handle and require minimum adjustments.

The pedal sensitivity is determined by the position of GAIN (8) control and depending on the model provides overall sensitivity corresponding to the sensitivity of emulated overdrive.

The output level is determined by the position of LEVEL (2) control; its 13 hours adjustment provides the standard level of -10dB. The output level at its maximum position reaches +8 dB, so use this position only if you want to overdrive the input circuit of your combo or amplifier.

The pedal also features TONE (4) control, which is designed for general tone matching of the pedal overdrive with clean or crunch channel of your combo (amp). In this case, it is recommended to adjust basic tone control directly in the combo.

To enhance the tone matching with amplifiers and combos that have different overall sound character, we provided incremental adjustment of VOICE (6).

#### Main Controls:

1. Pedal operation indicator;
3. Output to guitar combo input;
5. Power adaptor connector.
7. Guitar input.
9. EFFECT / BYPASS modes footswitch

## Individual Effects Features

Drive Series Effects is represented by several pedals each of which focuses on obtaining a particular overdrive type.

**P-Drive** effect creates probably the most aggressive sound of the entire line; it is generated by 6(!) stages similar to Peavey 5150 and 6505 preamp sections.

Ultimate saturation with harmonics and richness - such is the sound characteristic of this pedal in a nutshell.

**S-Drive.** In the early 1990s Mike Soldano created the amp which has become a kind of the metal sound standard implemented in various Lead-channels (Soldano, Mesa Rectifier, H & K Triamp). The common basis of these amplifiers was the 5-stage preamp, whose solid and bright sound character is emulated by S-Drive effect.

**Vt-Drive.** The concept of VHT amps lead channels is a kind of uterine growling overdrive. The AMT engineers tried to implement it as far as they could in Vt-Drive effect.

**B-Drive.** Among the lovers of contemporary sound there are those who prefer a slightly refined but at the same time fascinating sound of Sharp Bogner / Hafler TG, whose cold aggressiveness is conveyed by B-Drive effect.

**E-Drive.** E-Drive pedal effect reproduces the basic Engl overdrive features. Engl Amps have become a special branch in today's sound. Its convex and at the same time German rigorous character is formed by the E-Drive's four stages driven to their maximum.

**M-Drive.** The popular in the 1980s Marshall JCM800's mid-gain overdrive has become a classic due to its ability to produce a wide gain range. M-Drive effect shapes the structure of the overdriven sound characteristic of JCM800 retaining the lightness at small gain and increasing the sound density at maximum gain values.

**O-Drive.** Those who prefer low-gain amps often chose the velvet and sparkling sound of Orange amplifiers whose character we were especially happy to reproduce in our O-Drive pedals.

### 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.

Names used in this document are trademarks of their respective owners, which are in no way associated or affiliated with AMT Electronics. These trademarks of other manufactures were used to identify products whose sounds were reviewed in the making of this product.

AMT Electronics reserves the right to make changes in the design and appearance of the device which in no way violate the product's consumer properties without prior notification. Therefore specifications and appearance of the product can differ from the ones shown in the given document.