

Technical Specifications:

Size: 102 x 121 x 52 mm / 4" x 4.75" x 2"

Weight (incl. battery): 422g / 0.93lbs

Gain control range (@1kHz): 8-55dB, non-inverting.

Current draw: 3.7mA (1.2mA in Bypass mode) at 9V.

Made in Germany.

Contact:

If you have any questions or comments about our products and services, or suggestions for improvements or additions, please let us know. We appreciate any feedback, suggestions, and concerns. Please use the contact form on our website www.tortenmann.de or write to info@tortenmann.de.



Battery Replacement:

1. Remove the four screws holding the bottom panel.
2. Lift the bottom panel.
3. Carefully disconnect the old battery from the clip and connect a new one of the same type. Be sure not to apply too much force to the connector clip and to the leads.
4. Put the battery back into the unit. Make sure that it fits tightly and no leads are being bent or squeezed when reattaching the bottom panel.
5. Tighten the mounting screws with moderate tension.

The TA-100 Overdrive is designed and manufactured with high quality materials and components, which can be recycled and reused. Please act according to your local rules and do not dispose old products with your normal household waste. All packaging consists of recycled paper and can be disposed via regular paper recycling. Batteries must be collected and disposed of separately from household waste.



Warranty information:

Tortenmann products carry a 2 year warranty to the original owner with proof of purchase. The warranty covers damage by our errors only, and not any modification or repair done by anyone other than Tortenmann. Batteries are not covered.

Every unit is thoroughly tested and inspected prior to shipment. Still, if you experience any problems with your TA-100, do not hesitate to contact us via service@tortenmann.de. Alternatively, contact the nearest Tortenmann dealer, who will probably be able to repair the unit or, in case of a defect covered by the warranty, will take charge of the shipping procedure.

TA-100 Overdrive Operating Instructions

- Effective from serial #276 -



Overview:

The TA-100 Overdrive is a musical instrument effects unit that produces the classical sound of an overdriven tube amplifier and delivers up to 55dB of gain. Its unique germanium semiconductor circuitry provides a warm and dirty overdrive sound in the low to medium distortion range. While having a distinct sonic quality, it is still transparent and dynamically sensitive, thus preserving the characteristics of the connected amplifiers and instruments.

Although primarily designed for the use with an electrical guitar in conjunction with a tube amplifier, it may also be used with an electrical bass or other instruments.

Extreme dependability has been stressed in the design of the TA-100 Overdrive. Like all Tortenmann products, it is hand wired and assembled in Germany with only the highest quality components and with the greatest care. We are confident that the TA-100 will provide you with many years of satisfying and trouble-free use.

Controls:

The gain of the unit may be adjusted by means of the "Drive" control. As the gain determines the signal level that is fed into the clipping stage, it also controls the amount of distortion.

The "Output" control passively attenuates the amplified signal. Thus, it may be used (in conjunction with the "Gain" control), to adjust the drive to the next piece of equipment, ideally a tube amplifier.

The "Tone" control reduces gain at high frequencies and controls the shape of the distorted waveform. It can be used to smoothen the character of the distorted sound. As it can only cut the highs, the "Tone" control has its default or "zero" position fully clockwise.

An additional level boost of about 12dB can be activated by pulling the "Gain" knob ("↑Boost"). The boost circuitry is located in the output amplifier and therefore doesn't

affect the amount of distortion generated in the clipping stage. Being less effective at low frequencies, the extra boost function emphasizes the presence of the signal. A brighter sound can therefore be achieved by engaging the "↑Boost" switch and at the same time reducing the output to the previous level.

The footswitch puts the unit into and out of the signal path, the status being indicated by the lamp (off when in bypass mode).

Precautions:

Protect from heat, excessive exposure to sunlight and water. Please note, that a few hours of direct sun can suffice to render the TA-100 Overdrive temporarily unusable due to heated up germanium semiconductors. Such failures are entirely predictable and reversible. Just cool down the device and take care for a cool and shady place.

Connectors:

◀ Input: a mono TRS jack must be plugged in order to turn on the unit. To save battery power, always disconnect the "IN" jack when not in use.

The output connector is located on the opposite side of the unit and is not marked.

⚡ External power supply: accepts a standard 2.1mm barrel jack connector with a negative center pin. It may be used to connect a DC power supply of 9 to 18V.

