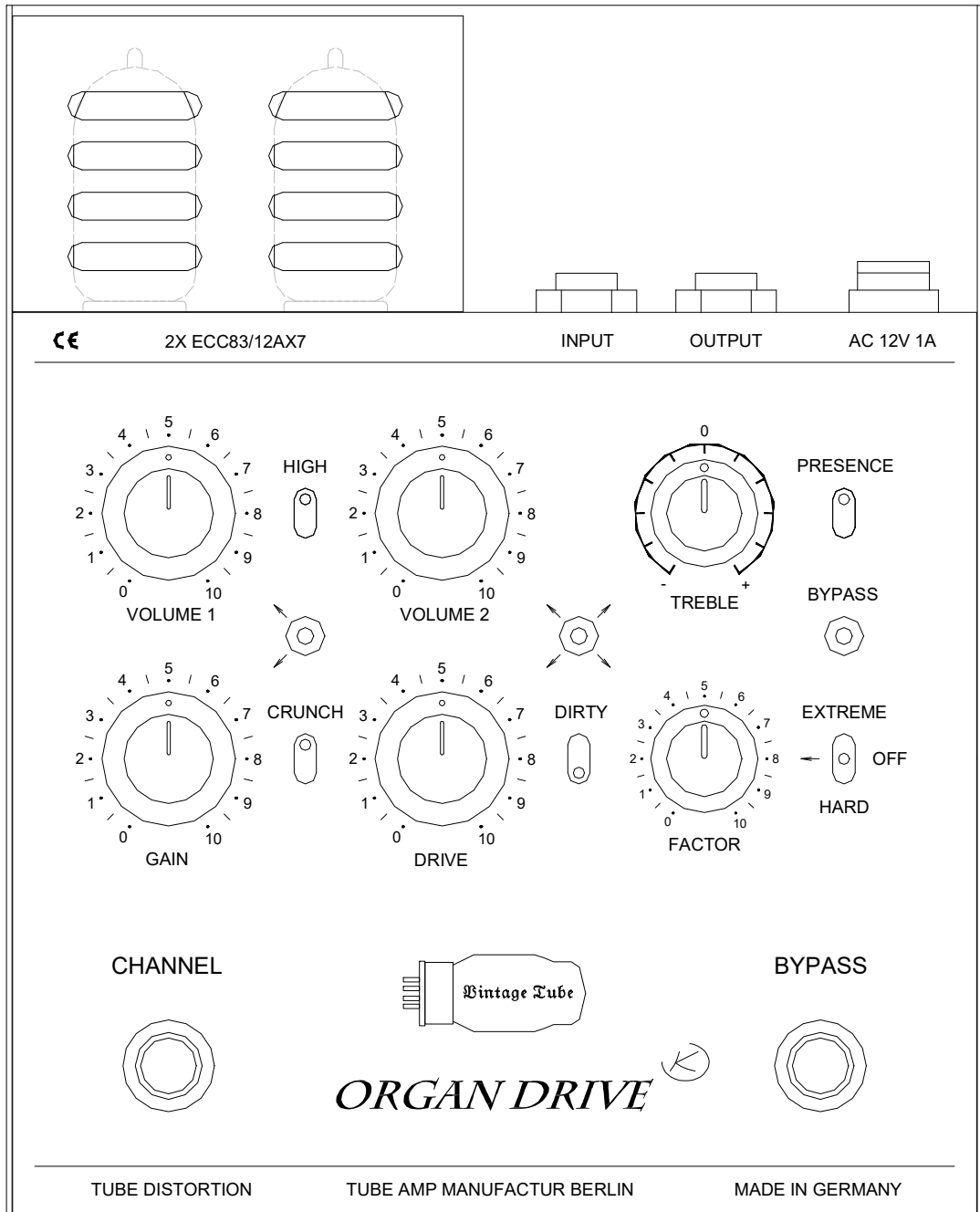


# Organ Drive



Operating manual

## Safety note

Please note that the tubes for the *Organ Drive* are operated with high voltage. Operate the device only with the prescribed tubes and the corresponding cover. Do not open the *Organ Drive* yourself, but leave it to a specialist workshop if necessary.

Make sure that no moisture can penetrate into the housing.

## Connector

Connect the cable of the supplied AC adapter to the AC 12V 1A socket. The plug has a bayonet connection. This is locked by a slight clockwise rotation of the ring and prevents the plug from slipping out by mistake during operation. Connect the power supply itself to an electrical outlet (230V).

The instrument (organ/keyboard) is connected to the input socket, the output is connected to your amplifier system (Leslie/amplifier/mixer or similar) to

## control elements:

<i>CHANNEL</i>	to switch between channel 1 and channel 2 Channel 1 is indicated by a yellow LED, channel 2 by a green LED
<i>BYPASS</i>	to turn the effect on and off The <i>BYPASS</i> function is indicated by a red LED labelled <i>BYPASS</i> .
<i>HIGH</i>	for rough adjustment of the input level Normal position: <i>HIGH</i> (only if the input stage is permanently overloaded, switch off <i>HIGH</i> )
<i>VOLUME 1</i>	to control the volume of channel 1
<i>GAIN</i>	for exact adjustment of the input level and for overloading channel 1 (also active for channel 2)
<i>CRUNCH</i>	for permanently crunchy sound in channel 1 even at lower input levels and to achieve a very groovy sound
<i>VOLUME 2</i>	to control the volume of channel 2
<i>DRIVE</i>	to control the overdrive of channel 2
<i>DIRTY</i>	to achieve a groovy - slightly dirty sound in channel 2
<i>TREBLE</i>	for raising or lowering the treble in channel 2
<i>PRESENCE</i>	for further boosting of medium and high frequencies in channel 2 (when <i>PRESENCE</i> the <i>TREBLE</i> - controller has a greater influence)
<i>EXTREME</i>	to achieve extreme but harmonic distortions in channel 2 (with <i>FACTOR</i> adjustable)
<i>HARD</i>	for harder distortion (e.g. tube Leslie 122) in channel 2 (with adjustable <i>FACTOR</i> )
<i>FACTOR</i>	to control functions <i>EXTREME/HARD</i> in channel 2 (only with switched on <i>EXTREME</i> or <i>HARD</i> active)
<i>OFF</i>	<i>EXTREME, HARD</i> and <i>FACTOR</i> are switched off

## Operation

### Fundamentals:

The *Organ Drive* has 2 channels and a Bypass.

*Channel 1* to create a clean tube sound, such as soft overdrive and crunch sounds  
Activated control elements: *VOLUME 1*, *GAIN* and *CRUNCH*

*Channel 2* for generating light to extremely distorted sounds with many sound variations.  
control elements: *VOLUME 2*, *DRIVE*, *TREBLE*, *PRESENCE*, *DIRTY*, *HARD*, *EXTREME*, *FACTOR*, *GAIN* and *CRUNCH*. In principle, a clean tube sound can also be set in this channel

*Caution:* *The GAIN control and CRUNCH switches are also active in the second channel, as channel 1 and channel 2 are connected in series in this operating mode (but without volume 1)*  
*(This means that all controls except volume 1 are active in channel 2)*

*BYPASS* The input signal is looped through directly. This is done via a so-called hardware bypass with a relay, so that no sound influence by electronic components is possible

### Basic setting, adjustment of the input level and operation channel 1

Set the *Organ Drive* to Channel 1 (yellow LED) (*BYPASS* off) *CRUNCH* off, set the master volume control of your organ/keyboard to maximum. Use the *GAIN* control to adjust the sound so that it is as not distorted or distorted as you wish. If the distortion cannot be adjusted to zero, set the *HIGH* switch to off and repeat the above setting.

Switching on *CRUNCH* now distorts the sound a bit more. Note that the *CRUNCH* function distorts the sound over a wider dynamic range (quieter sounds are also distorted, louder sounds do not increase the distortion as much as usual). The *GAIN* the control can be used to adjust the amount of distortion.

Experienced users can of course also use the volume control on the instrument to adjust the distortion level if *GAIN* is set correspondingly higher.

Since the *GAIN* control is not only used to adjust the distortion in channel 1, but also to adjust the input level, it is also effective in channel 2.

*VOLUME 1* adjusts the volume of channel 1.

### Operation channel 2

Set the *Organ Drive* to channel 2 (green LED) (*BYPASS* off).

Use *DRIVE* to adjust the distortion level and *VOLUME 2* to adjust the volume. Please note: if the basic sound is already distorted in channel 1 with the *GAIN* control, this distortion is adopted in channel 2 and can no longer be corrected back with *DRIVE*.

With *TREBLE* you can raise or lower the heights. When *PRESENCE* is switched on, a very concise treble range is raised, whereby the influence of the *TREBLE* control increases.

*DIRTY* changes the type of distortion. The sound gets a bit "dirty". Together with *CRUNCH* you can achieve very groovy sounds.

With *HARD* a harder distortion is achieved, as it is produced among others, by the Leslie Tubes 122.  
With *EXTREME* you can adjust very distorted but still harmonic sounding sounds.  
The strength of *HARD* and *EXTREME* is set with the *FACTOR* control.

## Warning

As with most sound effects, the degree of distortion of an organ is decisive for a tasteful sound. If *GAIN* and *DRIVE* are set too high, there is usually no significant increase in distortion with an organ tone. Rather, the ambient noise (hissing, humming) increases unnecessarily and the sound becomes muddy. For this reason, the *CRUNCH*, *DIRTY*, *HARD* and *EXTREME* functions are more effective with slightly distorted settings than with high distortion.

Play with fourths and fifths for more distortion. Due to the strong increase of harmonics at high distortions, slightly unpleasant sounding interference occurs when playing thirds.

## Technical data:

Dimensions	217 x 175 x 52 mm (L x W x H)
Weight	1,7 Kg (incl. mains adapter)
Power Supply	12V AC 1A DIN socket 4-pin bayonet connection with plug-in power supply
Case	Brushed stainless steel, fully shielded
Tube assembly	2 x ECC83/12AX7
Input	6.3mm jack input resistance 500 K $\Omega$
Output	6.3mm jack output resistance 10 K $\Omega$
Controls	Potentiometer: Volume1, Volume 2, Treble, Gain, Drive, Factor Switch: High, Presence, Crunch, Dirty, Extreme/Hard, Channel, Bypass

## Cleaning

To clean the housing, please disconnect the unit from the power supply.

Never use solvents such as paint thinner or acetone for cleaning.

Use a standard household cleaner or special stainless steel cleaner.

Wet a piece of kitchen paper or lint-free cloth with a household cleaner (undiluted) or stainless steel cleaner and use it to clean the surface of the housing. Make sure that no liquid can penetrate into the housing. Then use a sponge cloth moistened with water to remove the cleaner. Repeat this process until there are no more residues of the cleaner (approx. 2-3 times). Finally, rub the surfaces dry with a clean towel.

## Disposal

The packaging consists of recyclable raw material and can be recycled.  
Please dispose of them in the designated recycling facilities.



The device must not be disposed of with normal household waste after its service life.  
Ask about the possibilities for environmentally sound disposal, or send the device back  
to the manufacturer or distributor.

