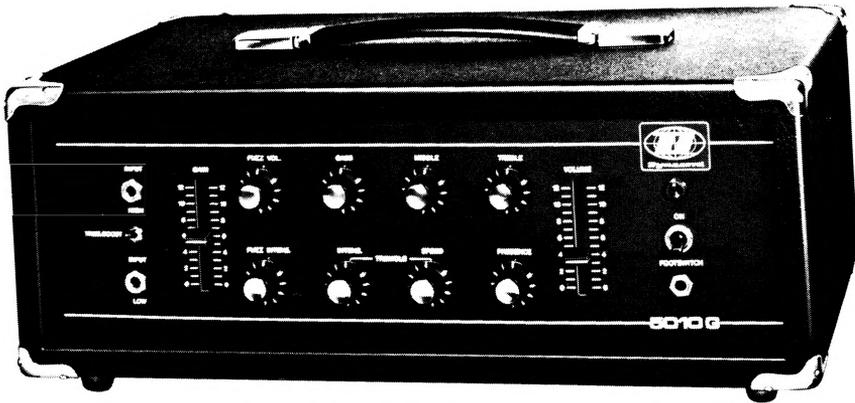


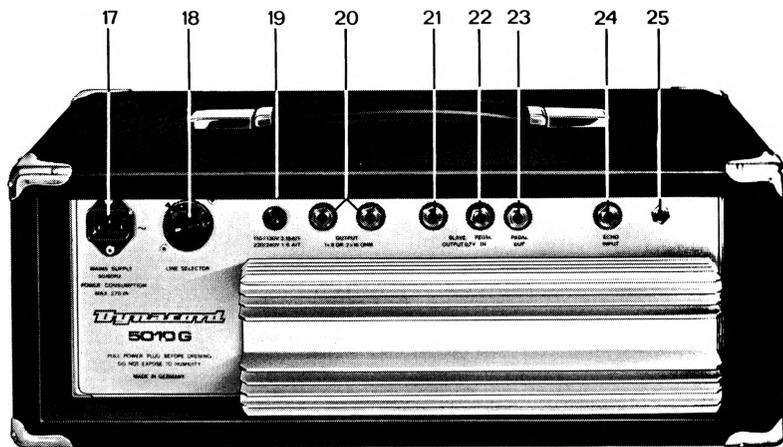
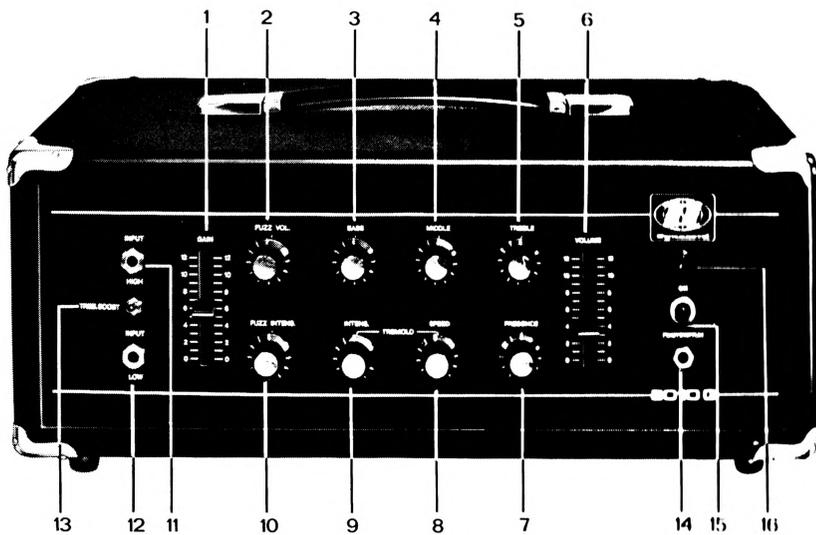


**Tymacord**



Bedienungsanleitung  
Operating Manual

**5010 G**



Positionsnummern

- 1) Schiebesteller GAIN
- 2) Steller FUZZ - VOLUME
- 3) Steller BASS
- 4) Steller MIDDLE
- 5) Steller TREBLE
- 6) Schiebesteller VOLUME
- 7) Steller PRESENCE
- 8) Steller TREMOLO - SPEED
- 9) Steller TREMOLO INTENSITY
- 10) Steller FUZZ - INTENSITY
- 11) INPUT HIGH
- 12) INPUT LOW
- 13) Schalter TREBLE BOOST
- 14) Fußschalteranschluß FOOTSWITCH
- 15) Netzschalter
- 16) Betriebskontrolle
- 17) Netzanschluß
- 18) Spannungswähler
- 19) Netzsicherung
- 20) OUTPUT Lautsprecher
- 21) OUTPUT SLAVE
- 22) PEDAL IN Fußschweller
- 23) PEDAL OUT
- 24) INPUT ECHO
- 25) Pegelsteller ECHO



#### 4. Inbetriebnahme

1. Lautsprecherbox 5010 HG, oder eine andere 100 W 8 Ohm Box in eine der beiden Buchsen "OUTPUT" (20) einstecken.

##### Boxenimpedanz beachten!

Beim Anschluß einer Box muß die Impedanz 8 Ohm betragen, beim Anschluß von zwei Boxen muß die Impedanz jeweils 16 Ohm betragen.

2. Für den Anschluß der Gitarre stehen zwei entkoppelte Eingänge zur Verfügung.  
"INPUT HIGH" (11) Eingangsempfindlichkeit 1 mV  
"INPUT LOW" (12) Eingangsempfindlichkeit 5 mV
3. Netzschalter (15) nach oben einschalten (grüne Kontrolllampe brennt).
4. Schieberegler "VOLUME" (6) etwa bis Stellung 6 aufziehen.
5. Schieberegler "GAIN" (1) etwa bis Stellung 6 aufziehen. Mit diesem Regler "GAIN" kann man ein leichtes Anzerren der Vorstufe erzielen. Ist dies nicht erwünscht, so ist dieser Regler nicht zu weit aufzuziehen.
6. Die Regler "BASS" (3), "MIDDLE" (4), "TREBLE" (5), "PRESENCE" (7) sind je nach individuellem Geschmack einzustellen.  
ACHTUNG! Der Regler "PRESENCE" (7) hat, voll aufgedreht, hohe Lautstärke zur Folge!
7. Den mitgelieferten Fußschalter in Buchse "FOOTSWITCH" (14) stecken.
8. Regler "FUZZ INTENSITY" (10) und "TREMOLO INTENSITY" (9) aufdrehen.

9. Regler "FUZZ VOLUME" (2) etwa bis Stellung 3 und "TREMOLO SPEED" (8) etwa bis Stellung 5 aufdrehen.

10. Fußschalter R gestattet eine Umschaltung von Normal-Ton auf verzerrten Ton und umgekehrt.

Fußschalter T gestattet eine Umschaltung von Normal-Ton auf Vibrato-Ton und umgekehrt.

11. Mit zwei Klinke-Klinke-Kabel kann in die Buchsen "PEDAL IN" (22) und "PEDAL OUT" (23) ein Fußschweller eingeschleift werden.

12. Über die Buchse "ECHO INPUT" (24) kann ein Echogerät (z. B. EC 100) angeschlossen werden.

Die Buchse ist so geschaltet, daß das Echogerät dem Verstärker vorgeschaltet ist, d. h. das Gitarrensichtal kommt vom Echogerät auf Buchse "ECHO INPUT" (24), wird mit Pegelsteller (25) angepaßt und vom Verstärker 5010 G verstärkt.

ACHTUNG! Bei Stellung 0 des Schiebereglers "GAIN" (1) erfolgt keine Verstärkung des Gitarrensichtals!

#### 5. Service

DYNACORD-Geräte sind Qualitäts-Erzeugnisse und zählen zur Weltspitzenklasse. Die von uns verwendeten Bauteile sind Spitzenfabrikate führender Markenfirmen. Umfangreiche und strenge Wareneingangskontrollen sorgen für einwandfreie und gleiche Qualität der einzelnen Bauteile. Kommt es trotzdem vor, daß ein Bauteil (Widerstand, Kondensator, Transistor usw.) später schadhaft wird und dadurch das Gerät ausfällt, so wenden Sie sich bitte an die nächste für Sie günstig gelegene DYNACORD-Service-Werkstätte. Ein Verzeichnis unserer Garantie-Werkstätten befindet sich bei den Unterlagen.

Die Reinigung des Gerätes einschließlich der Frontblende darf unter keinen Umständen mit kunststofflösenden Mitteln (Nitro-Verdünnung usw.) erfolgen. Wir empfehlen die Reinigung mit einem seifenwasserbefeuchteten Tuch.

## Technische Daten

Betriebsspannungen: 110, 130, 220, 240 Volt; 50 - 60 Hz

Leistungsaufnahme: 250 VA bei Vollast

Siliziumtransistoren: 2 x BC 182, 2 x BC 183, 3 x BC 212 B  
1 x BC 213, 4 x BC 307 B, 5 x  
BC 414 B, 1 x BD 138/10, 1 x BD 241 C  
1 x BD 242 C, 3 x BD 245 C, 3 x  
BD 246 C, 2 x BF 297, 2 x BF 397  
1 x BF 245 B

Gleichrichter + Dioden: VK 246  
12 x BAV 54/70, 1 x BZX 83 C 10,  
1 x BZX 83 C 62, 4 x 1 N 4002

Ausgangsleistung: 150 W music-power, 100 W Sinus an  
8 Ohm

Klirrfaktor:  $\leq$  1 % bei 1 kHz

Frequenzgang: 40 Hz ... 20 kHz

Fremdspannungsabstand:  $\geq$  70 dB

Eingänge entkoppelt: INPUT HIGH 1 mV  
INPUT LOW 5 mV  
INPUT ECHO 100 mV

SLAVE OUTPUT: 775 mV  $\hat{=}$  0 dBm

Lautsprecher: 8 Ohm an 2 parallel geschalteten  
Buchsen

Abmessungen: 480 x 200 x 250 mm (BxHxT)

Gewicht: 12 kg

Zubehör: 1 Netzkabel, 1 Fußschalter  
Ersatzsicherungen

- 1) Slider control GAIN
- 2) Rotary control FUZZ-VOLUME
- 3) Rotary control BASS
- 4) Rotary control MIDDLE
- 5) Rotary control TREBLE
- 6) Slider control VOLUME
- 7) Rotary control PRESENCE
- 8) Rotary control TREMOLO SPEED
- 9) Rotary control TREMOLO-INTENSITY
- 10) Rotary control FUZZ-INTENSITY
- 11) Input HIGH
- 12) Input LOW
- 13) Switch TREBLE BOOST
- 14) Jack FOOTSWITCH
- 15) Mains switch
- 16) Pilot lamp
- 17) Mains supply socket
- 18) Voltage selector
- 19) Mains fuse
- 20) OUTPUT speaker
- 21) OUTPUT slave amp
- 22) Foot pedal jack IN
- 23) Foot pedal jack OUT
- 24) Input jack ECHO
- 25) Level control ECHO

## 1. Amplification

The solid state amplifier 5010 G is a specially designed guitar amplifier. Due to the manifold sound variations it can be applied universally. Two decoupled guitar inputs with different sensitivity (1 mV resp. 5 mV) ensure full matching of any type of lead guitar. A special input permits the connection of an external echo unit. Furthermore a foot pedal can be connected, allowing to change the volume while performing without influencing the sound characteristic. Extensive tone controls enable you to produce any sound according to your liking.

The frequencies of application are:

- for BASS at 80 Hz,
- for MIDDLE at 500 Hz,

Range of adjustment + 30 dB

- for treble at 8 kHz,
- for presence at 4 kHz

Additional volume can be obtained at frequencies of 4 kHz if the PRESENCE control is turned up. Trebles can be emphasized additionally by means of the TREBLE-BOOST switch. The GAIN control permits to drive the preamplifier continuously from a regular sound up to a slightly distorted sound reproduction. The controls FUZZ-VOLUME, FUZZ-INTENSITY, TREMOLO-VOLUME, and TREMOLO-INTENSITY provide a wide variety of different sound effects which can be switched on and off by means of the footswitch supplied with the unit.

The powerful amplifier with an output of 100 watts RMS and 150 watts peak music power has a distortion factor of less than 1%! The signal-to-noise ratio is 70 dB. The power stage has full electronic protection against no-load operation, short-circuits, and overheating by thermal negative feedback. With all these unique features the 5010 G amplifier truly provides the ultimate in guitar sound reproduction.

The following examples show the basic setting of all controls. It serves as a starting point for your individual sound selection.

## 2. Connection to mains supply

Before putting the unit into operation, check whether the voltage selector (18) at the rear of the unit is set for the proper line voltage. The unit is suitable for connection to AC mains only. Setting to another voltage is accomplished by means of a screw driver or a suitable coin which should be turned until the mark points to the respective mains voltage. The unit is set 220 volts in the factory. The mains fuse (19) is replaced by turning out the cap. Repeated blowing of properly sized and rated fuses indicates a defect in the unit.

Underfusing may cause blowing of the fuses even though the unit is not defective. Mended fuses or overfusing may cause severe damage to the unit which is not covered by warranty.

The earthing-contact-type line cord supplied with the unit should be plugged into the mains supply socket (4). The specified protection against electric shock hazard as well as the best possible freedom from humming is only secured when plugging this line into a properly installed earthing-contact-type wall outlet. Depending on the local mains conditions, it may become necessary to change the polarity of the power plug in order to secure maximum freedom from humming (unplug, turn, and plug in again).

## 3. Fuses

The size of the mains fuse is:

110 V - 130 V = 3,15 amps./slow

220 V - 240 V = 1,6 amps./slow

fuses for direct-current supply = 2 x 6,3 amps./slow

(located inside the unit)

ATTENTION! Spare fuses are placed with the certificate of warranty.

#### 4. Putting into operation

1. Connect a speaker cabinet 5010 HG or any other speaker with a power capacity of at least 100 watts RMS to one of the speaker outputs (20). Ensure proper matching of speakers and amplifier!  
When connecting one speaker, it should have an impedance of 8 ohms; when connecting two speakers, each should have an impedance of 16 ohms.
2. Two decoupled input jacks permit the connection of guitars:  
input HIGH (11) - sensitivity of 1 mV  
input LOW (12) - sensitivity of 5 mV
3. To turn on the unit push mains switch (13) upwards (the green pilot lamp lights up).
4. Set slider volume control (6) approx. to position 6.
5. Set slider gain control (1) approx. to position 6.  
When turning up this control, a slightly distorted sound reproduction is obtained. For a flat frequency response this control should be turned up not too far.
6. Adjust tone controls BASS (3), MIDDLE (4), TREBLE (5) and PRESENCE (7) according to desired sound impression.  
  
ATTENTION! Turning up PRESENCE control (7) fully will result in a high volume.
7. Connect the footswitch supplied with the unit to footswitch jack (14).
8. Turn up FUZZ-INTENSITY control (10) and TREMOLO-INTENSITY control (9).
9. Set FUZZ-VOLUME control (2) approx. to position 3, and TREMOLO-SPEED control (8) to about 5.
10. When actuating the footswitch R, regular sound reproduction is switched to a distorted sound reproduction, and vice versa. The footswitch T permits switching from regular sound to vibrato and vice versa.

11. A foot pedal is connected to the jacks PEDAL IN (22) and PEDAL OUT (23) by means of a connection cable with jack plugs.
12. The jack ECHO INPUT (24) permits the connection of an external reverb unit EC 100. This jack is wired in such a way that the reverb unit precedes the amplifier. This means that the input signal from the guitar is fed from the echo unit to the jack ECHO INPUT (24), is matched by means of the level control (25), and is amplified by the amplifier 5010 G.  
ATTENTION! Setting the slider control GAIN (1) to "0" effects that the input signal from the guitar is not amplified.

#### 5. Service and Maintenance

DYNACORD units are quality products and belong to the world's top class. The component parts we use are first-class products of leading manufacturers. Extensive and strict inspections of goods received ensure perfect and consistent quality of the various components. If it should happen nevertheless that a component part (resistor, capacitor, etc.) becomes defective causing the unit to break down, please apply to the nearest DYNACORD service shop.

Remember that the unit inclusive of the control panel must under no circumstances be cleaned with agents dissolving plastics (nitro dilutions, etc.). We recommend to use a rag moistened with soapy water for cleaning.

## Technical Specifications

Operating voltages:	110, 130, 220, 240 volts A.C. 50/60 Hz
Power consumption:	250 VA at rated power
Silicon transistors:	2 x BC 182, 2 x BC 183, 3 x BC 212 B 1 x BC 213, 4 x BC 307 B, 5 x BC 414 B, 1 x BD 138/10, 1 x BD 241 C 1 x BD 242 C, 3 x BD 245 C, 3 x BD 246 C, 2 x BF 297, 2 x BF 397 1 x BF 245 B.
Rectifiers and diodes:	VK 246 12 x BAV 54/70, 1 x BZX 83 C 10, 1 x BZX 83 C 62, 4 x 1 N 4002
Output power:	100 watts RMS, 150 watts music power into 8 ohms
Distortion factor:	$\leq 1\%$ at 1 kHz
Frequency range:	40 Hz ... 20 kHz
Signal-to-noise ratio:	$\geq 70$ dB
Inputs: (decoupled)	Input HIGH 1 mV Input LOW 5 mV Input ECHO 100 mV
Outputs: slave output: speaker output:	775 mV $\cong$ 0 dBm 8 ohms on 2 parallel jacks
Dimensions:	480 x 200 x 250 mm
Weight:	12 kg
Accessories:	1 power cord, 1 footswitch, spare fuses

Subject to modification!



***Thymacord***  
**ORCHESTER-ELECTRONIC**

***bandecho.de***

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