

Domino₂

Operating Instructions



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1. Introduction

Welcome to AER. Thank you for purchasing the DOMINO.

Based on our Compact/Bingo acoustic system we have developed the DOMINO, a 100-watt system, that combines the excellent tone of the Compact with increased power and higher efficiency. The DOMINO is - of course - dynamically controlled and equipped with: two parallel power-amplifiers, two 8" twin-cone loudspeakers, 4 channels with mute option and a new 32bit digital AER-effect with 16 presets.

To obtain maximum enjoyment from your amplifier please read this manual carefully before using your DOMINO.

2. Precautionary Measures

When you use your DOMINO, always take basic safety precautions to reduce to a minimum the risk of injury by fire or by electric shock.

Read all the directions in these operating instructions and make sure that you understand them.

Pay attention to all warnings, instructions and supplementary text written on the DOMINO.

Always use a grounded mains connection with the appropriate supply voltage. If you are uncertain whether the connection is grounded, have a qualified expert check it.

Use the same type and value to replace a broken fuse. Never try to repair it

Do not let your DOMINO come into contact with water and never touch the amplifier if you have wet hands. . Always operate your DOMINO in a place where no one can trip over the cables causing injury to themselves or damage to the cables. Do not operate your DOMINO near devices with strong electromagnetic fields such as large mains transformers, generators, neon lights etc. Do not lay the signal cable parallel to power lines.

Do insure that your DOMINO is switched off before plugging in the power cable to the mains.

Before cleaning your DOMINO, unplug it from the mains supply. Use a damp cloth to clean it. Do not use cleaning agents, and be careful that no liquid finds its way into the amp.

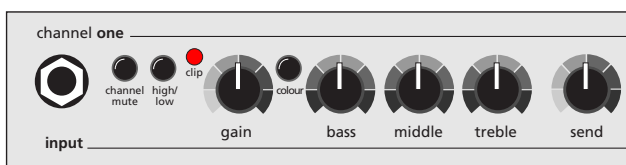
There are no parts within your DOMINO that can be serviced by the user. Refer all repairs and servicing to an agent authorised by AER. Any unauthorised repair or servicing will void the two year warranty!

Keep these operating instructions in a safe place.

3. Operating Elements

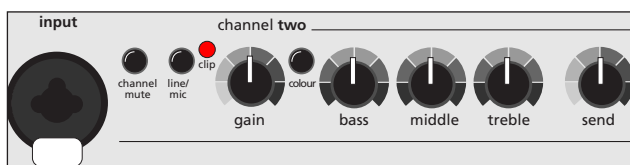
Front above (from left to right):

channel one:



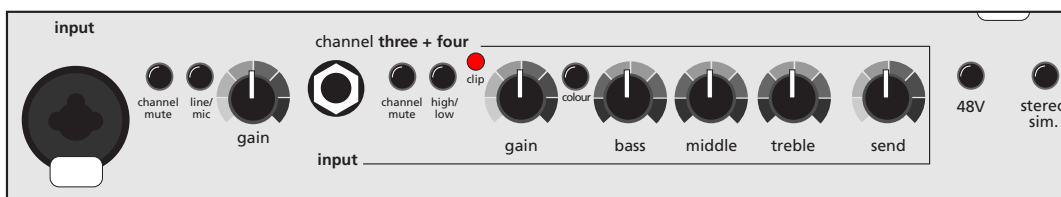
- input (1)** socket for a 6.3 mm jack plug, high impedance piezo input
- channel mute** switch to mute the channel
- high/low** switch to adjust input sensitivity
high for high input sensitivity
low for low input sensitivity
- clip** overload indicator
- gain** input level control
- colour** mid-range contour filter
- bass** bass tone control
- middle** middle tone control
- treble** treble tone control
- send** effect send control, adjusts the channels effect amount

channel two:



- input (2)** Combi-Connector with a socket for a 6.3 mm jack plug and XLR male socket
- channel Mute** switch to mute the channel
- line/mic** switch to adjust input sensitivity
line: sources with line level, instruments with active preamplifiers and magnetic sound pick-ups, connected to jack input only
mic: balanced microphone input with 48V phantom power to be used with XLR and jack input, 48V for XLR only
- clip** overload indicator
- gain** input level control
- colour** mid-range contour filter
- bass** bass tone control
- middle** middle tone control
- treble** treble tone control
- send** effect send control, adjusts the channels effect amount

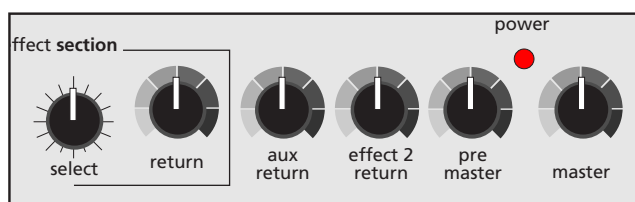
channels three & four:



- input (3)** Combi-Connector with a socket for a 6.3 mm jack plug and XLRmale socket
- channel line/mic** Mute switch to mute the channel switch to adjust input sensitivity
line: sources with line level, instruments with active preamplifiers and magnetic sound pick-ups, connected to jack input only
mic: balanced microphone input with 48V phantom power to be used with XLR and jack input, 48V for XLR only
- gain** input level control
- input (4)** socket for a 6.3 mm jack plug, high impedance line/piezo input
- channel mute high/low** switch to mute the channel switch to adjust input sensitivity
high for high input sensitivity
low for low input sensitivity
- clip** overload indicator
- gain** input level control
- colour** mid-range contour filter
- bass** bass tone control
- middle** middle tone control
- treble** treble tone control
- send** effect send control, adjusts the channels effect amount for both channels

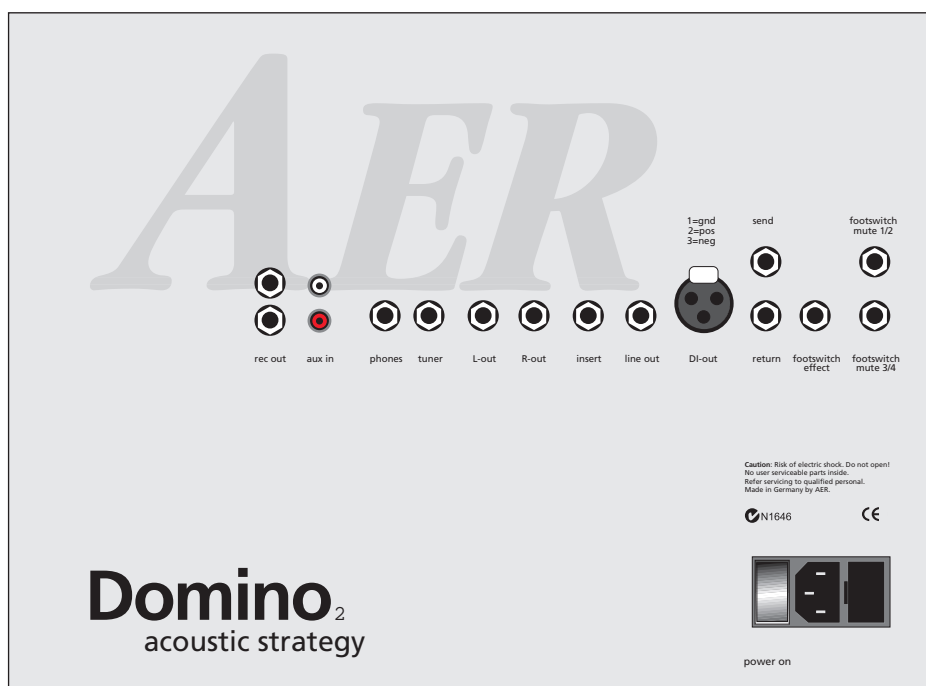
- 48V** 48 volt phantom power on/off
- stereo sim.** stereo simulation on/off

effect/aux/master:



- effect select** switch to select between 16 different effect presets
10 reverbs, 4 delay, 2 chorus (see app. 1)
- return** effect-return-control, sets the total level of the internal effect
- aux return** aux-return-control, sets the level of signals connected to aux-in
- effect 2 return** effect-return-control, sets the level of signals connected to return
- pre master** level control for L-out, R-out and rec-out
- power** power indicator lamp
- master** overall volume level control

Back (from left to right):



l-, r-, rec-out	recording out, L-out, R-out, adjustable via post master, pre EQ, effect, stereo performance of external effect, aux-in and stereo simulator (switchable)	DI out	balanced XLR-output pre master, pre eq and effects
aux in	RCA input-socket for cd, etc., stereo	send	output for external effect unit, post eq
phones	stereo headphone output, post effect and aux-in without stereo simulation	return	stereo input for an external effect unit or other signal source
tuner	tuner output, pre eq and effect	footswitch effect	internal/external effect on/off, stereo
insert	insert loop, serial for e.g. effect with: input → return = ring output → send = tip or to connect AER amps with the link function. (see Append. 2)	footswitch mute 1/2	socket for a stereo footswitch to mute channels 1/2
line out	output for e.g. active extension, post eq and effect, level depending on master	footswitch mute 3/4	socket for a stereo footswitch to mute channels 3/4
		power	combined mains switch with mains socket and fuse holder

4. Summary of Operations

• Connecting and starting-up:

Check to ensure that mains voltage at your location corresponds to what is permitted to operate the DOMINO. You will find the necessary information on the sticker at the rear side of the amp under "voltage". Before switching on the amp, "Master" and "Return" controls should be turned to zero position (as far left as they may go) and all other controls to middle position. Then make all necessary cable connections (mains, instruments, microphone and link). Now you can turn on your DOMINO with the power switch on the rear of the amp. The green power indicator shows that the amp is working.

• Level control

You can use the "High/Low"-switch, the "Line/Mic"-switch and the "Gain"-control to adjust the various pick-up systems and signal sources to the DOMINO. The "Clip"-indicator shows that the input signal is too high. To ensure distortion-free reproduction you should then reduce "Gain"-control or "Volume"-control on your signal source.

Clipping can already occur at very low or even maximum gain depending on the output of your source. Please verify: set the master control to zero position. Play at a high dynamic level and increase the gain level to the point the clip indicator starts to flicker. With that you can be sure that your source is able to fully address the input stage. Reduce the gain a little bit to generate additional dynamic headroom and then use the master control to adjust the final overall volume.

Temporary flickering gives no cause of concern. But you should pay attention not to get above this level. Please consider the Domino has four channels. For individual input gains add up and may distort the

signal incoming the effect unit. This distortion is not monitored by the clipping indicator. It is only audible. In any case of audible distortion reduce the gains.

You can mute the channels either by mute switches per channel or via footswitch.

• Tone controls

The three band tone controls of your DOMINO are designed to fulfill the special requirements of acoustic instruments as well as general demands of other sources. The "Colour"-switches activate a "mid-cut treble-boost"-filter, which is particularly appropriate for fingerstyle techniques.

• Effects

The DOMINO has an integrated (internal) digital 32 bit AER-effect processor, providing you with 16 presets (reverb, delay, chorus – see Appd. 1) to be selected by the "Effect Select"-switch. The "Return"-control determines the intensity of the total effect (as far left as possible = no effect).

The individual effect sends adjust the amount of effect per channel.

Furthermore a supplementary effect device can be connected (external effect). For this purpose, use the sockets "Send" and "Return" on the rear of the DOMINO ("Send" to the input, "Return" to the output of the external effect). The intensity will then be determined by the Effect 2-return.

You can connect a stereo (double) footswitch either to footswitch effect or footswitch 1,2,3,4 to switch the effects on/off (internal and external) or mute the channels.

- **Stereo-Simulation**

The DOMINO is mono! Thus you find the same effect signal on "R-Out" and "L-Out". These outputs are designed to connect AER active fullrange systems to (AG8, CX8, AS Q8, AS 281) and adjust the overall volume by the pre master independent from the Domino volume. If you switch on the stereo simulation now a more or less stereo like, broader sound is generated. On stage, Domino as monitor the sound stays unchanged.

- **Insert**

The insert loop is an input and output on a stereo socket to link different effect devices (EQs, compressors...) in serial mode with:

tip = send → output and

ring = return → input.

You can also use this insert as additional line output separately or additional line input separately or to link several AER-amps with insert function. (Domino, Compact classic, AG8) For each function you need a special cable accordingly. For the special AER link function refer to see appd. 2.

Link mode secures that all signals of all connected AER-amplifiers are audible on every connected amp even with different effect settings without feedback. The only implication is, gains are depending on each other. However linked amps in conjunction with an active AER fullrange system work as a complete reinforcement/monitor system easy to be operated from the stage.

OK? We hope you enjoy your DOMINO!

5. Technical Data

Inputs	Ch 1/4: Line: unbalanced, 2.2 Meg, 22mV, -33dBV high/low attenuation 10dB Ch 2/3: Line: unbalanced, 1 Meg, 20mV, -34 dBV Mic: balanced, 1,2 K (unbalanced use 4K) jack and XLR 1,7 mV, -55dBV 48V phantom power with XLR only	Power Amp Rating 2 x 60 Watt / 4 ohm RMS Speaker 2 x 8" twin-cone speaker system (96 dB 1W/1m, freq. range 60 Hz - 18 kHz)
Eff. Return	>12K, 2 x 400 mV -8dBV, mix level 0 dB	Cabinet Dimension 0.59' (15 mm) birch plywood 14.37' (365 mm) high, 16.55' (420 mm) wide, 11.81' (300 mm) deep
Aux-In L/R	> 6K, 2 x 120 mV, -18dBV	Finish waterbased acrylic, black spatter finish
Outputs	Tuner: -10dBV, Line: +1dBV, depending on master DI: -24dBV, Send: -1dBV L-Out: -1dBV, R-Out: -1dBV insert: send 47 ohm, +1dBV, return 22K, +1dBV	Weight 31 lbs (14 kg)
Phones	stereo, max. 2x100 mW, 32 ohm, mutes speaker	• 0 dBV ~ 1V
Footswitch effect on/off	Tip = build-in effect, Ring = external effect	Specifications and appearance subject to change without notice
Footswitch mute 1,2,3,4	1/3 = Tip, 2/4 = Ring, Sleeve: ground	
EQ, Ch. 1/2/3 u.4	Bass: 100 Hz / ± 8 dB Middle: 600 Hz / ± 2 dB Treble: 10 kHz / ± 8 dB	
Analog Signal Processor:	Limiters, Subsonic Filter und Enhancer	
Effect	32bit AER-Effectprocessor, 16 Presets	
Power Mains	220-240 V / 50-60Hz / 220 W Mains Fuse: 1.6 A slow	


AER[®]
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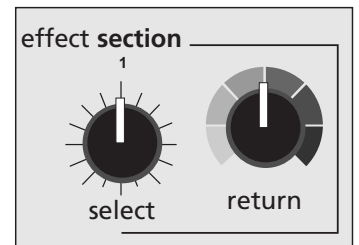
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Appendix 1

Effectchart

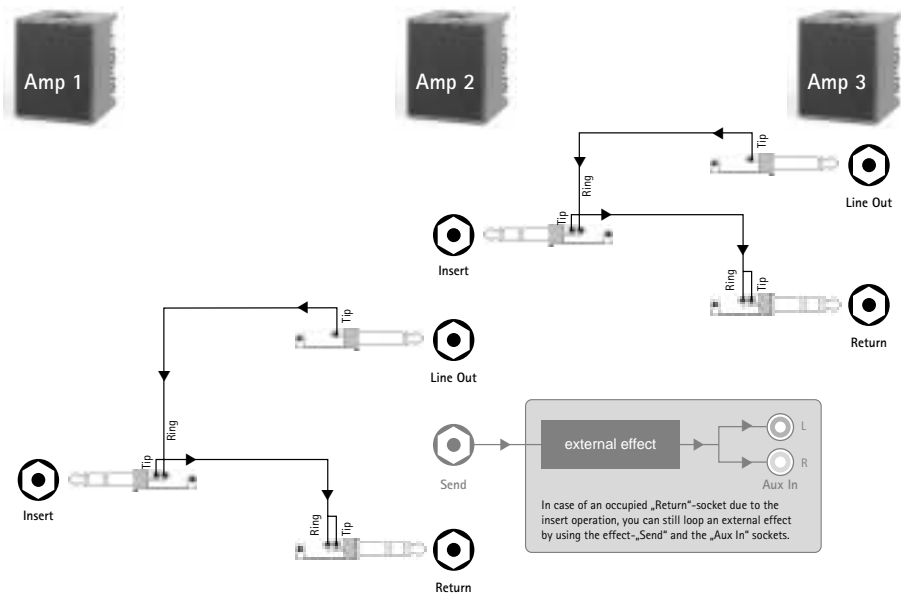
- Hall**
- 1 Room, small/bright
 - 2 Room, mid/soft
 - 3 Hall, small/bright
 - 4 Hall, short/vocal
 - 5 Hall, mid/vocal
 - 6 Hall, large/bright
 - 7 Church, mid/wood
 - 8 Church, large/marble
 - 9 Ambience, glass/hall
 - 10 Ambience, large/warm

- Delay**
- 11 Slapback
 - 12 Long Pan
 - 13 Slapback vocal
 - 14 Slapback mid/vocal
- Chorus**
- 15 Slight silky
 - 16 Frozen

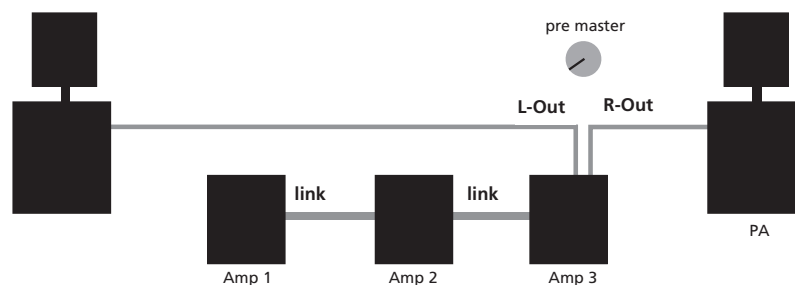


Appendix 2

A. Insert Point

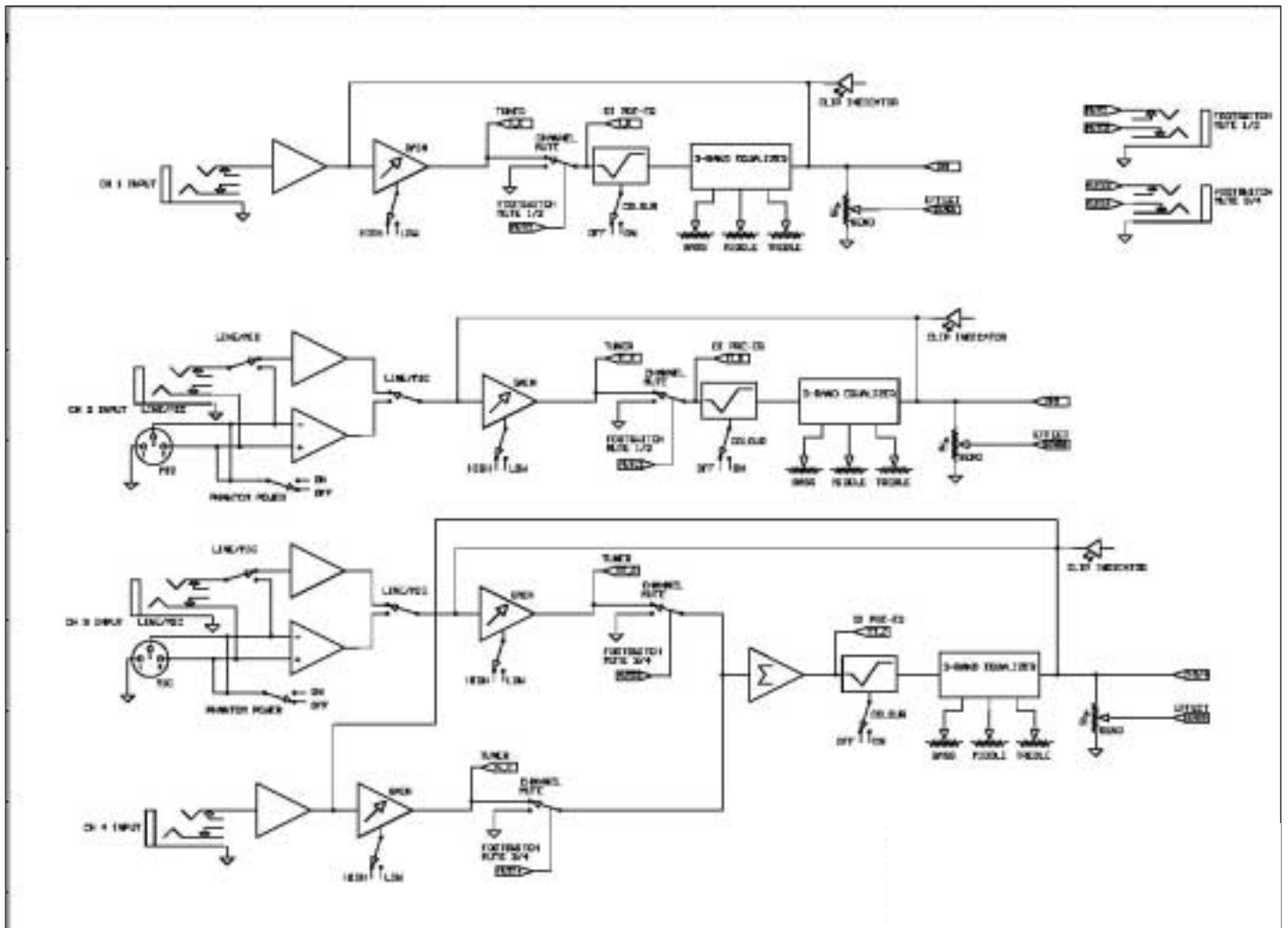


B. Connecting diagram, link R-out, L-Out



Appendix 3

Block Diagramm, Sheet 1



Block Diagramm, Sheet 2

