

# Compact *mobile*

## Operating Instructions

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### 1. INTRODUCTION

Welcome to **AER**. Thank you for purchasing the **Compact *mobile***.

You have chosen a professional, compact and powerful amplifier that was specially developed to amplify acoustic instruments. The internal battery allows you to play up to 3/6 hours without connecting the amp to the mains.

Two channels make it possible to operate a microphone and an instrument independently of each other. The dynamically controlled power amplifier and the broad-spectrum loudspeaker system guarantee distortion-free reproduction even at high volumes.

To obtain maximum enjoyment from your amplifier please read this manual carefully before using your **Compact *mobile***.

## 2. PRECAUTIONARY MEASURES

When you use your **Compact mobile**, 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 **Compact mobile**.
- ◆ 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.
- ◆ Do not let your **Compact mobile** come into contact with water and never touch the amplifier if you have wet hands.
- ◆ Always operate your **Compact mobile** in a place where no one can trip over the cables causing injury to themselves or damage to the cables.
- ◆ Do not operate your **Compact mobile** 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 **Compact mobile** is switched off before plugging in the power cable to the mains.
- ◆ Before cleaning your **Compact mobile**, 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 **Compact mobile** 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 (from left to right):

### Channel 1:

<b>Input</b>	socket for a 6.3 mm jack plug
<b>High/Low</b>	switch to adjust input sensitivity <b>High</b> impedance only instruments with a piezoelectric pick-up, <b>Low</b> for instruments with active preamplifiers and magnetic sound pick-ups
<b>Clip</b>	overload indicator
<b>Gain</b>	input level control
<b>Colour</b>	mid-range contour filter
<b>Bass</b>	tone control for bass
<b>Middle</b>	tone control for mid-range
<b>Treble</b>	tone control for treble

## Channel 2:

<b>Input Line/Mic</b>	XLR combination with a socket for a 6.3 mm jack plug and XLR male socket switch to adjust input sensitivity <b>Line:</b> sources with line level, instruments with active preamplifiers and magnetic sound pick-ups, <b>Mic:</b> symmetrical microphone input with 30 V phantom source
<b>Clip</b>	overload indicator
<b>Gain</b>	input level control
<b>Bass</b>	tone control for bass
<b>Treble</b>	tone control for treble
<b>Eff. Pan</b>	panorama control to distribute the effects between the channels
<b>Select</b>	switch for two effect programmes (reverberation, reverberation/delay)
<b>Return</b>	level control for the internal effect
<b>Power</b>	power indicator lamp
<b>Master</b>	level control for the overall volume
<b>Low batt.</b>	low charge indicator lamp
<b>Charge</b>	charge indicator lamp
<b>48V on/off</b>	48V phantom power on/off
<b>Aux-Return</b>	level control for the Aux-Input (e.g. CD-player)

## Rear (from left to right):

<b>Aux-In</b>	input for CD and tape
<b>Phones</b>	headphone output
<b>Tuner</b>	output for a tuner after the master control
<b>Line-out</b>	preamplifier output after the master control
<b>DI-out</b>	XLR output before the master control
<b>Send</b>	output for an external effect device
<b>Return</b>	input for an external effect device or another signal source, for example CD-player
<b>Footswitch</b>	connection for a double foot switch with which the effects can be switched on and off.
<b>12V/DC only</b>	connection for an external 12V/DC-battery, not suitable for a connection to a board-net.
<b>DC on/off</b>	On/Off-switch for an external battery-connection.
<b>Power on/off</b>	combined mains switch with a mains socket and a fuse-holder (1 A slowblow) for both operating-modes

## 4. SUMMARY OF OPERATIONS

### ◆ Connecting and starting-up:

Check to ensure that the mains voltage at your location corresponds to what is permitted for operating the **Compact mobile**. You will find the necessary information on the rear side under „Dest.“ (country of destination) and „AC-voltage“. Before switching the amp on, the „Master“ and „Return“ controls should be turned to the **zero position** (as far left as they will go) and **all other controls to middle position**. Then make all necessary cable connections (mains, instrument and/or microphone). Now you can switch on your **Compact mobile** with the power switch on the rear of the amp. The green power indicator shows that the amp is operational.

### ◆ Level control:

You can use the „High/Low“-switch and the „Gain“-control to adjust the various pick-up systems and signal sources to **Compact mobile**. The „Clip“-indicator shows that the input signal is too high. You should then reduce the „Gain“-control or „Volume“-control on your guitar or other source to ensure distortion-free reproduction. Then set the desired overall volume with the „Master“-control.

### ◆ Tone controls:

The **three and two band** tone controls of your **Compact mobile** are designed to fulfil the special requirements of acoustic instruments and the general demands of other sources. The „Colour“-switch in **Channel 1** activates a „mid-cut treble-boost“ filter which is particularly appropriate for fingerstyle techniques.

### ◆ Effects:

The **Compact mobile** has an integrated (internal) digital effect permitting you to choose between a reverberation and a delay effect with the „Select“ switch. The „Return“ switch determines the intensity of the effect (as far to the left as possible means no effect). Furthermore, a supplementary effect device can be connected (external effect). For this purpose, use the sockets at the rear of **Compact mobile** „Send“ and „Return“ (send to the input, return from the output of the external effect). The intensity will then be set by the external effect device.

Using the „Effect-Pan“ control, you can mix continuously variable effect portions into the channels. The following values hold for the corresponding definite positions:

<b>turned completely to the left:</b>	internal effect on channel 1 external effect on channel 2
<b>middle position:</b>	internal effect on channel 1 and channel 2 external effect on channel 1 and channel 2
<b>turned completely to the right:</b>	internal effect on channel 2 external effect on channel 1

A standard **double foot switch** can be connected to the „Footswitch“ socket on the rear of the amp with a stereo cable. This switch can be used to turn the internal and external effects on and off.

**▶ Running on lead–acid battery or mains power**

A built-in leakproof lead–acid battery (12V/10Ah) provides about 3/6 hours playing–time independant from mains power supply. A special charge–control electronics monitors the charging–process to secure that the battery will not be overcharged or completely discharged. Its capacity is checked automatically during operation. If the battery capacity drops below a defined low battery threshold, the „**Low Batt.**“–indicator lights on and the amplifier switches off after a short time. After the amplifier has switched off, it can only be put back into operation by connecting it to the mains power supply. The yellow „**Charge**“–indicator–LED shows that the lead–acid battery is being charged. The indicator lights off when the lead–acid battery has reached its maximum charge capacity. Using the amplifier will not interfere with the charging process.

By the way: The overall playing–time depends on the volume, the dynamic and the kind of music you perform.

**Further outputs:**

- Aux–In** Cinch–Input for a playback–signal (e.g. CD, Tape). Red indicates the right channel, white the left.
- DI–out** The composite signal after tone control but without effect and before master control is on the XLR socket. (Appropriate to connect the **Compact mobile** to a sound system.)
- Tuner** A tuner can be connected to this output, and need not be switched between instrument and amplifier, as is often the case. This precludes any effect on the sound.
- Line out** The composite signal after tone control, with effect and after master control is connected here. (This output can be used for tape recordings).

O.K.? We hope you enjoy your **Compact mobile**!

## 5. TECHNISCHE DATEN / TECHNICAL DATA

<b>Inputs:</b>	Ch1: Line: unbalanced., 2.2 MEG High/Low: -10 dBV
	Ch2: Line: unbalanced., 1MEG Mic: balanced., 600 Ohm
	Eff.Return: -10dBV/10k
	Aux-In: -10dBV/10k
<b>Outputs:</b>	Tuner: -10dBV
	Line: 0dBV
	DI: -20dBV
	Send: -10dBV
<b>Foot switch</b>	Tip: built in effect
	Ring: external effect
	Sleeve: ground
<b>EQ:</b>	Ch1: Bass: +- 8 dB/ 100 Hz Middle: +- 3 dB/ 550 Hz Treble: +- 11 dB/ 10 kHz
	Ch2: Bass: +- 8 dB/ 100 Hz Treble: +- 11 dB/ 10 kHz
<b>Analog Signal Processor:</b>	Limiters, Subsonic Filter and Enhancer
<b>Effect:</b>	Digital Reverb / Delay, two presets
<b>Power Amp:</b>	Powerconsumption: 220-240 V / 50-60Hz / 70 VA (110V / 50-60Hz)
	Rating: 60 Watt / 4 ohm rms
<b>Mains Fuse:</b>	1.0 A slow
<b>Batt.Type:</b>	high-power sealed-acid battery 12V, 10Ah
<b>Batt.Cap.:</b>	3/6 hours independant performance
<b>Recharge Time:</b>	≈ 12 hours
<b>Speaker:</b>	8' twin-cone speaker-system ( 96 dB 1w/1m, freq. range 60Hz-18kHz )
<b>Cabinet:</b>	0.59' (15 mm) birch plywood
<b>Dimension:</b>	13.00' (330 mm) high 13.00' (330 mm) wide 11.02' (285 mm) deep
<b>Finish:</b>	waterbased acrylic, black spatter finish
<b>Weight:</b>	35.3 lbs (16 kg)
◆	0dB/V ~ 1V
◆	specifications and appearance subject to change without notice

**AER<sup>®</sup>**

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