



ELECTROCOMPANIET

If music really matters...



EC 4.7

USA

GB

Unpacking the EC 4.7

Immediately upon receipt of the EC 4.7, inspect the carton for possible damage during shipment. The carton and packaging have been designed to provide the safest possible protection for transport of your preamplifier.

Unpack the unit carefully. Save all packaging materials for future shipment.

The contents of the carton

- 1 pcs Electrocompaniet EC 4.7 (preamplifier)
- 1 pcs AC main cord.
- 1 pcs inspection card.
- 1 pcs remote control.
- 2 pcs batteries.

Set up procedure

Before connecting the EC 4.7 to the mains, check that the main voltage indicated on the rear panel corresponds to the line voltage in the territory where you intend to use the unit.

How to avoid damages

Do not under any circumstances connect or disconnect equipment when power is turned on. The design of the RCA plug generates a huge transient when inserted. Connecting or disconnecting equipment with the power on can result in severe damage to both speakers and amplifier.

How to avoid noise problems

The EC 4.7 contains delicate circuits that are sensitive to magnetic strayfields. The unit should not be placed near main transformers, TV sets, etc. Care should also be taken regarding placement of the interconnect cables. Do not run interconnect cables in parallel with main cords or speaker cables. Keep interconnect cables as short as possible.

How to avoid possible antenna problems

In some set-ups hum may occur when you connect the radio, VCR or TV to your system. The problem is caused by DC voltage coming from your antenna. Please contact your cable network operator.

How to connect your system

Please read this page carefully and follow diagram 1.

On the rear panel you will find a switch to adjust the gain in the amplifier.

Use this switch to accommodate the signal source to the amplifier. This switch will also affect the HT input.

Inputs

Single- ended operation:

The left channel is the top row on the rear marked black.

All inputs are similar regarding sonic performance.

Unused inputs may be shorted to ground, using a RCA shorting plug.

To use the balanced input single ended, connect the ECP5XLR in the XLR

Outputs

REC:

Tape outputs are used for recording.

The source you listen to will be monitored through this output.

The record function is not influenced by the volume control setting, but will be shut off by the MUTE function.

Never use shorting plugs in outputs.

LINE OUT:

The line out is a variable output, dependent on the volume control setting and MUTE function.

These outputs (balanced and single- ended) control the power amplifier.

If more than one amplifier is used, and these amplifiers are DC coupled on the input side, they will influence on each other when the amplifiers are switched on/off.

To avoid any problem, these amplifiers must be turned on/off simultaneously.

Never use shorting plugs on the outputs.

How to power up your system

You should always power up your system in the following way:

Signal sources (CD player, tuner, etc.) first, then the EC 4.7.

Allow a 30 seconds warm-up before you turn on the amplifier.

When switching off your system:

Start with the amplifier, then the EC 4.7, then the signal sources.

Remote control

Diagram 2

1. Input selector CD, TUNER, TAPE, DVD, VCR, AUX.
2. Mute on / off
3. Volume up
4. Volume down

Front panel

Diagram 3

The main switch is located in the center of the lower part of the front panel.

In daily operation, switch off the EC 4.7 by using the MUTE button on the remote control.

If the EC 4.7 has been switched off, allow two hours of warm-up for optimal sonic performance.

When the EC 4.7 is not to be used for a long period of time, use the main switch to turn the unit off. Then disconnect the AC main cord for maximum safety.

Navigator window

Diagram 3

The six icons shown on the left-hand side of the front panel have the following functions:

CD

Compact disc
Single ended RCA or
balanced XLR

TUN

Tuner
Radio
Receiver

TAP

Reel to reel
Music cassette
Digital audio tape

DVD

Digital versatile disc

VCR

Video cassette
Recorder
Satellite tuner
Television

AUX

Riaa
Auxiliary
Mini disc
Personal computer
Television

Replacing remote control batteries

Diagram 5

Replace used batteries by gently inserting your fingernail or small screwdriver in the groove on the left side of the battery compartment cover.

Lift the cover off and insert a fresh set of batteries.

Be careful to follow the + and – polarity indications at the bottom of the battery compartment.

Battery: 2 x LR03 / AAA: 1.5Volts

Input configurations

Diagram 6

XLR input:	1 = ground	2 = positive	3 = negative
RCA:	Circle = ground	Center = positive	

Output configurations

Diagram 6 and 1

XLR output:	1 = ground	2 = positive	3 = negative
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Speaker:	Red = positive	Black or White = ground
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RCA to XLR adpoter:	ECP5XLR:	1 & 3; ground and negative = shorted, 2 = positive
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Technical specifications EC 4.7

The following technical data were measured on randomized test objects and are typical data.
All measurements are made at 120V / 240V // 50Hz / 60Hz

Clipping point of the preamplifier is set to a level where total harmonic distortion (THD) is 0.2 %.

Measurements	Parameters	Single ended	Balanced
Input impedance	(Fixed)	330 Kohm	165 Kohm
Input level	(RMS)	> 10 V	> 20 V
Equivalent input noise		< 3 mV	
Signal to noise	(400 - 30 KHz)	> 100 dB	
Channel separation	(20 - 20KHz)	> 90 dB	
Frequency response	(DC-65 KHz)	- 0.4 dB	
Gain	(Maximum volume)	0 dB	6 dB
Attenuation	(Minimum volume)		- 75 dB
Output Impedance	(Fixed)	100 ohm	
Output level	(RMS)	> 8 V	> 16 V
THD	(1Vin, 1Vout, 1KHz)	< 0,001 %	< 0.0005 %
Output noise	(400 – 30 KHz)	< 5 mV	< 10 mV

Rated output level

10 % change in line voltage will give approximately 10 % change in output level.

Power consumption (no load or signal) 15 W

The EC 4.7 is **DC** coupled from input to output.

Dimensions

Width:	483 mm	-	19"
Depth:	410 mm	-	16.1"
Height:	115 mm	-	4.5"
Weight:	8 Kg	-	17.6 lbs.

Specifications subject to change without notice.

Important Notice



For optimal sonic performance, the EC 4.7 should be burned in for a minimum time of 72 hours.

The easiest way to burn in your EC 4.7 is to put a signal at any input, without the speakers connected.

In daily operation, switch off the EC 4.7 by using the MUTE button on the remote control.

If the EC 4.7 has been switched off, allow two hours of warm-up for optimal sonic performance.

Due to high class A operation in all Electrocompaniet designs, it is normal for the EC 4.7 to feel warm.

Proper ventilation is important.

Never cover the ventilation area.

A good rule of thumb is to allow at least 3 - 5 cm (1 - 2 inches) of air sidewise, and 5 - 8 cm (2 - 3 inches) above the EC 4.7.

If service is needed

Your dealer will have all relevant information regarding the service center in your area and will ensure that your unit is serviced with minimum delay.

It is our general policy to have your unit returned to you within five working days.

This is an average time and can vary locally, depending on the workload at that particular service center.

If, for some reason, there are no service facilities available in your country, please ship the unit to the following address:

Electrocompaniet as,
Breivikveien 7,
N-4120 Tau,
Norway

Fax: 47 51 74 10 10

Web: www.electrocompaniet.no

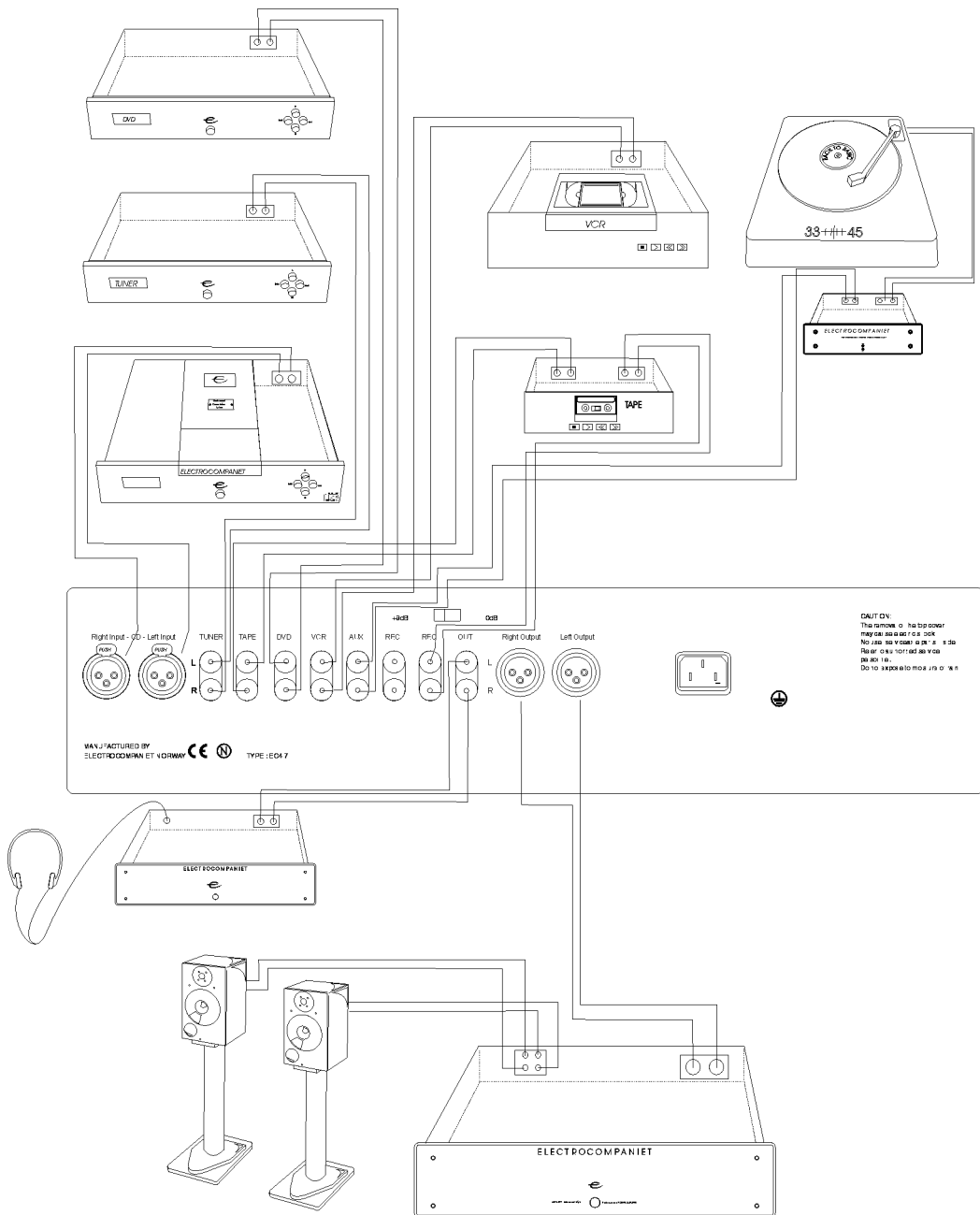
Service department: service@electrocompaniet.no

The end user is responsible for all shipping charges, insurance, and re-importation and duty charges.

When shipping a product to the factory for service, always include the following:

1. A sales slip or other proof of purchase if repair is claimed under warranty.
2. A proforma invoice with value of goods, stating that the amplifier is being returned to Norway for repair.
3. An accompanying letter describing faults, symptoms, or problems with the unit.
4. Always ship the unit in its original carton and packaging material to prevent damage in transit. Electrocompaniet will not cover damages incurred in transit.

If you require further information concerning the operation of the unit or if you have any questions related to service, please do not hesitate to contact your dealer or your national distributor.



CAUTION:
This receiver is not to be used
for any other purpose than
listening to music or for
recording music on tape.
Do not use for any other
purpose.

MANUFACTURED BY
ELECTROCOMPA ET VOIRW
TYPE ECA 7

Diagram3

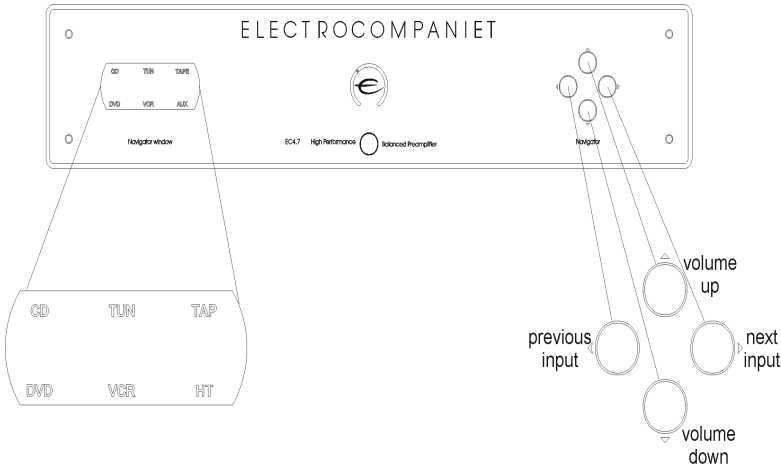


Diagram2

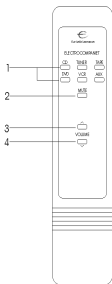


Diagram5

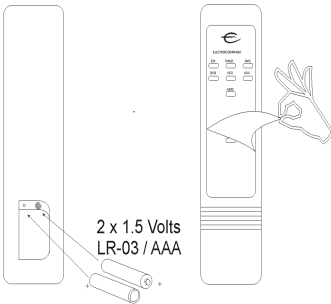


Diagram6

