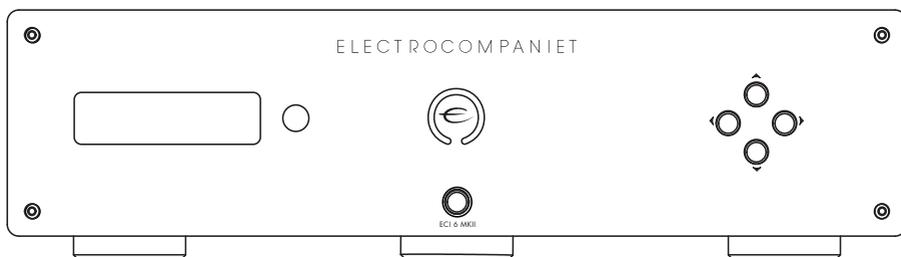




ELECTROCOMPANIET

*If music really matters™*



## **ECI 6 MKII**

*Balanced Integrated Amplifier*

**Owner's Manual**

**EN**

## Welcome to the world of Electrocompaniet!

We thank you for choosing an Electrocompaniet high-end product.

At Electrocompaniet we are relentlessly focused on developing audio equipment that is capable of bringing the fabulous experience of the concert hall into the very heart of your home.

Our aim when developing and testing new products is to ensure that the wonderful richness of tone and every nuance of feeling and emotion of a piece of music is delivered to you just as the artist intended.

We continually strive to give you the very best musical listening experience available whatever your preferred musical genre.

Sincerely yours,  
The Electrocompaniet team

## Unpacking the ECI 6 MKII

Immediately upon receipt of the ECI 6 MKII, 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 integrated amplifier. Unpack the unit carefully. Save all packaging materials for future shipment.

## The contents of the carton

- 1 pc. Electrocompaniet ECI 6 MKII Integrated amplifier
- 1 pc. AC main cord.
- 1 pc. Spare main fuse (located in the fuse drawer, 3.15AT /250VAC or 5AT/115VAC)
- 1 pc. Inspection card.
- 1 pc. Important notice.
- 1 pc. IR Remote control .
- 2 pcs. Batteries.

## Set up procedure

Before connecting the ECI 6 MKII to the AC Power outlet, check that the main voltage indicated on the rear panel corresponds to the line voltage in the country 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 ECI 6 MKII contains delicate circuits that are sensitive to magnetic stray fields. The unit should not be placed near power voltage 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 use rear panel illustration at page 11 as reference.

### Balanced XLR input and operation

The balanced mode can only be used if the signal source has a balanced output. Use an XLR interconnect with GND on pin 1, + on pin2, and - on pin 3. To use the balanced input with a single ended source, connect an conversion connector ECP5XLR in the XLR.

### Single ended RCA input and 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.

### HT (Home Theatre)

HT is a direct input where the volume control is bypassed. ECI 6 MKII will work like a power amplifier with fixed gain. When selected the output will be muted for a few seconds as a safety against accidental overload.

### Preamp out:

The preamp out is dependent on the volume control setting, and MUTE function. These outputs (balanced and single ended) can be used to control an additional power amplifier.

### Speaker output:

Never short the positive output to ground or chassis. Switch the amplifier off when connecting the speakers.

## How to power up your system

You should always power up your system the following way:

Signal sources (CD player, tuner etc.) first. Allow a 30 seconds warm-up before you turn on the ECI 6 MKII.

## When switching off your system

Start with the ECI 6 MKII, then the signal sources. If the preamplifier output is connected to a power amplifier, then turn off the power before or at the same time as ECI 6 MKII.

## 12V trigger Input/Output

The 12V trigger output may be used to automatically power up a CD-player (or other equipment with 12V trigger input) when ECI 6 MKII is powered up. When ECI 6 MKII powers up the 12V trigger output will be set to 12V and will support up to 75 mA current output. Please keep the current draw below 75 mA by limiting the number of devices connected to the 12V trigger output.

The ECI 6 MKII will power up (leave standby) when a voltage in range 8-20V (AC or DC) is present on the 12V trigger input, and stays powered on for as long as the voltage is present. The current draw at the 12V trigger input is 3.3mA.

## RS-232 Control Port

The RS-232 control port may be used in home installation setups or general usage for controlling basic functionality on the ECI 6 MKII. Please refer to document "ECI6 RS232 Command Reference V1.pdf" for further information. This document may be downloaded from [www.electrocompaniet.com](http://www.electrocompaniet.com)

## Navigator window

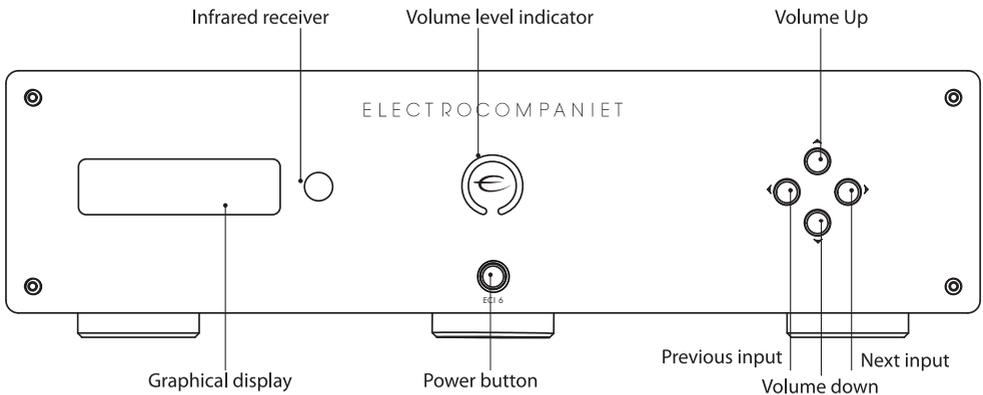
| Audio Source | Display Text | Description                                |
|--------------|--------------|--|
| CD           | CD           | Analog balanced XLR input                  |
| AUX          | AUX          | Analog single-ended RCA input              |
| DVD          | DVD          | Analog single-ended RCA input              |
| HT           | HT           | Analog single-ended home theater RCA input |

## Front panel (see illustration below)

The main switch is located in the center of the lower part of the front panel. In daily operation, switch off the ECI 6 MKII by press and hold the Mute button on the remote control (see page 8). If the ECI 6 MKII has been switched off, allow two hours of warm-up for optimal sonic performance. When the ECI 6 MKII 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

| Button | Function            | Description                           |
|--------|---------------------|---------------------------------------|
| UP     | Volume Up           | Increases the volume level.           |
| DOWN   | Volume Down         | Decreases the volume level.           |
| LEFT   | Select source left  | Selects the next source to the left.  |
| RIGHT  | Select source right | Selects the next source to the right. |



## Error codes

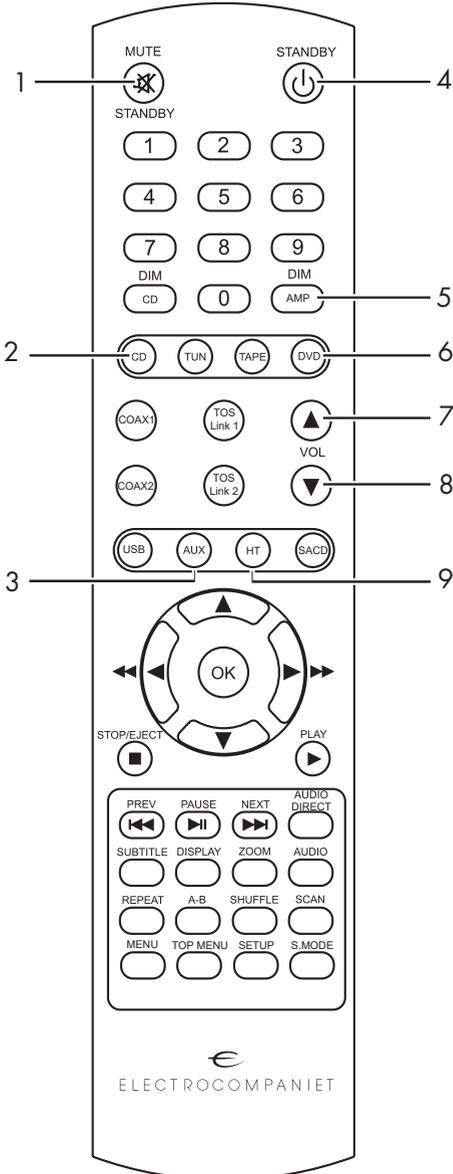
If the ECI 6 MKII is not working properly, the display will show an error code.

The error codes are:

| Display Error text   | Description                         | What to do   |
|----------------------|-------------------------------------|--|
| DC FAULT LEFT        | DC voltage left channel             | Please contact service center.   |
| DC FAULT RIGHT       | DC voltage right channel            |  |
| DC                   | DC left + right channels            |  |
| OVERLOAD FAULT LEFT  | Overload of left channel            | Make sure that the + and – leads of the loudspeaker cables are not shorted, and that the speaker cables are not in contact with the chassis of ECI 6 MKII.   |
| OVERLOAD FAULT RIGHT | Overload right channel              |  |
| OVRLoad              | Overload left+right channels        |  |
| TEMPERATURE          | Over temperature left+right channel | The amplifier is overheated. This is caused by either playing to loud for a long period of time, or not enough free space on the sides or above the ECI 6 MKII.<br>Turn down the volume and make sure there is enough free space around the amplifier. |

For troubleshooting please contact your local dealer or our support department. All contact information you will find at [www.electrocompaniet.com](http://www.electrocompaniet.com)

## Remote control



1. Mute - on/off.

Standby mode - hold mute 1-2 sec. to set the ECI 6 MKII into a standby mode.

2. CD - switch to CD input

3. AUX - switch to AUX input.

4. Standby - not in use with the amplifiers.

Work as Standby with a players.

5. Dim - dimming the amplifiers display.

6. DVD - switch to DVD input

7. Volume up - increase the volume.

8. Volume down - decrease the volume.

9. HT - switch to a Home theater input.

## Replacing batteries

Use 2pcs AAA or LR03 batteries.

Observe correct polarization when inserting batteries. Please remove batteries when the remote is not used for a prolonged period of time.

## Using the remote

When using the remote control, the front end of the remote control should be pointed to the front panel of your ECI 6 MKII. A free line of sight is required between the remote and the infrared sensor on the front pane

## Replacing a blown main fuse

The main fuse is located in a small drawer inside the AC inlet of the unit. If the fuse is blown, turn the unit off and remove the AC cord from the AC inlet. Open the drawer with a small screwdriver and remove the blown fuse. The spare fuse is located inside a holder in front of the main fuse.

1. Remove the spare fuse gently by pushing it sideways out of its holder.
2. Insert the spare fuse as the active fuse.
3. Push the drawer gently back to closed position.
4. Re-insert the AC cord and turn the unit on.

**Never replace the fuse with another value than indicated on the unit!**

## Input configurations

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

## Output configurations

XLR output: 1 = ground 2 = positive 3 = negative  
Speaker: Red = positive Black or White = ground

ECP5XLR:

RCA to XLR adapter: 1 & 3; ground and negative = shorted 2 = positive

## Technical specifications ECI 6 MKII:

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 amplifier is set to a level where total harmonic distortion (THD) is 0.2 %.

### Preamplifier section

|   |           |
|---|-----------|
| Input impedance (Balanced input).....           | 47 kOhm   |
| Noise floor (1Vrms, 20 - 20 kHz, balanced)..... | < -135 dB |
| THD + N (1Vrms, 20 - 20 kHz, balanced) .....    | <0,003%   |
| Gain (Balanced).....                            | ...0 dB   |

### Amplifier section

|   |             |
|---|-------------|
| Output Impedance .....                  | < 0,02 Ohm  |
| Frequency response (- 3 dB).....        | 1 – 150 kHz |
| Channel separation.....                 | > 120 dB    |
| THD + N (20 - 20 kHz).....              | < 0,004%    |
| Maximum peak current.....               | >100A       |
| Damping factor (8 ohm load).....        | >350        |
| Input sensitivity (125W output).....    | 1.3Vrms     |
| Input sensitivity HT (125W output)..... | 1Vrms       |
| Gain HT (input).....                    | 31dB (x36)  |

### Rated output power

10 % change in line voltage will give approximately 20 % change in output power.

|            |           |
|------------|-----------|
| 8 Ohm..... | 2 x 125 W |
| 4 Ohm..... | 2 x 200 W |
| 2 Ohm..... | 2 x 370 W |

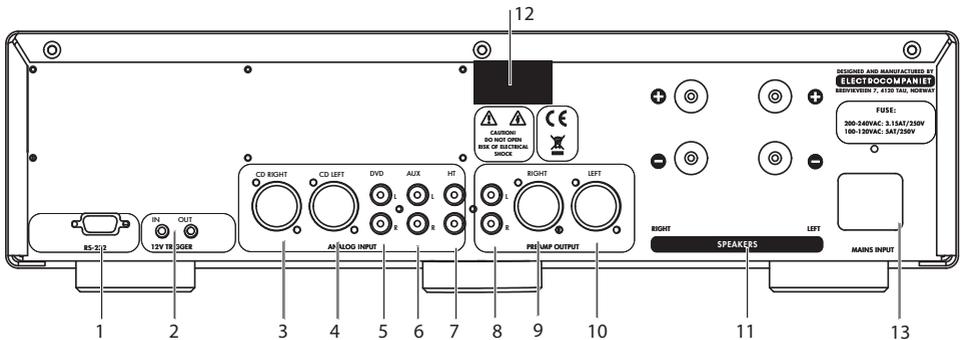
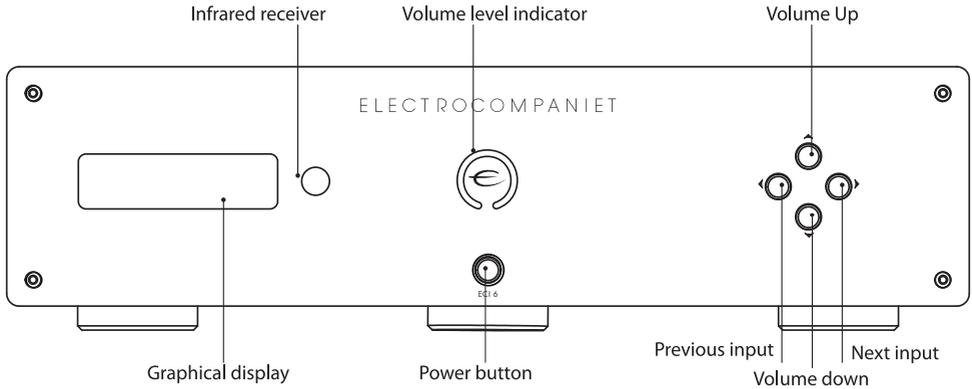
|  |       |
|--|-------|
| Power consumption (no load or signal)..... | 110 W |
| Standby.....                               | 1W    |

### Dimensions

|                           |
|---------------------------|
| Width: 470 mm - 18,5 inch |
| Depth: 430 mm - 16,9 inch |
| Height: 128 mm - 5,0 inch |
| Weight: 20,5 Kg - 45 lbs  |

\*Specifications are subject to change without further notice.

## ECI 6 MKII Front and Rear panel illustrations



- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>1. RS 232 connection</li> <li>2. 12 V trigger input/output</li> <li>3. Balanced analog right CD input</li> <li>4. Balanced analog left CD input</li> <li>5. DVD analog inputs</li> <li>6. AUX analog inputs</li> <li>7. Home theater analog inputs</li> </ul> | <ul style="list-style-type: none"> <li>8. Pre-amplifier analog output Left/Right</li> <li>9. Pre-amplifier Balanced analog right output</li> <li>10. Pre-amplifier Balanced analog left output</li> <li>11. Speaker outputs</li> <li>12. Serial number</li> <li>13. AC Input</li> </ul> |
|--|---|

## IR Remote control codes

RC5 codes are denoted as xx.yy where xx is 5 bit adress and yy is 6 bit command/ data. All numbers are in decimal. RC6 codes are denoted as xxx.yyy. xxx is 8 bit adress. yyy is 8 bit command code. All numbers in decimal. All RC6 codes are mode 0.

| Key label | Code Type | Code Hex | Comments                                       |
|-----------|-----------|----------|--|
| MUTE      | RC5       | 10.0D    | Same as on the integrated- and pre-amplifiers. |
| DIM AMP   | RC5       | 10.0F    |  |
| VOL UP    | RC5       | 10.10    | Same as on the integrated- and pre-amplifiers. |
| VOL DOWN  | RC5       | 10.11    | Same as on the integrated- and pre-amplifiers. |
| HT        | RC5       | 10.3A    |  |
| AUX       | RC5       | 10.3C    |  |
| DVD       | RC5       | 10.39    |  |
| CD        | RC5       | 10.14    |  |

## If service is needed

Your dealer will have all relevant information regarding the service centers 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 station. If, for some reason there are no service facilities available in your country, contact Electrocompaniet support first. If requested to do so by technical personell, please ship the unit to the following address:

EC Living AS,  
Breivikveien 7,  
N-4120 Tau,  
Norway

Web: [www.electrocompaniet.com](http://www.electrocompaniet.com)

Service department: [support.electrocompaniet.com](mailto:support.electrocompaniet.com)

The end user is responsible for all shipping charges, insurance, re-import and dutycharges.

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 ECI 6 MKII is 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.

## User Manual Updates Online

An updated version of the User Manual may be available online at the Electrocompaniet web site. Occasional updates are needed to reflect new features added to the player since the user Manual was printed. As future firmware updates bring in new features and functions, the online version of the user Manual will be updated accordingly.



ELECTROCOMPANIET  
If music *really* matters™

DEALER  
STICKER  
HERE

LOCAL DEALER

### **Warning!**

To avoid risk of fire or electric shock, do not expose this appliance to rain or moisture. Verify line voltage before use. Do not remove cover. No user serviceable parts inside. Refer servicing to qualified service personal. The warranty is void if the product is tampered by non-authorized personnel. Use only authorized Electrocompaniet service center.

REV 1.0 2020

Designed and manufactured in Norway  
[www.electrocompaniet.com](http://www.electrocompaniet.com)