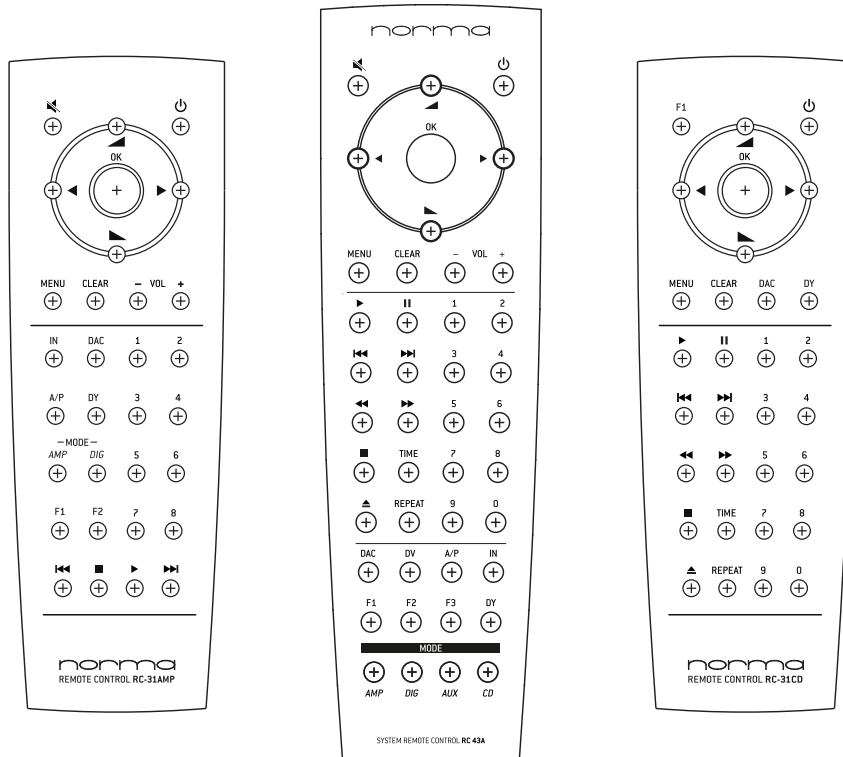norma
A U D I O   E L E C T R O N I C S

IR-31 AMP / 43 / 31 CD

Remote Control

Manual

Safety manual

IR-31 AMP / 43 / 31 CD

Contact informations

Make sure you register your purchase.
Visit: http://www.normaudio.com/normaudio/

Documentation Conventions

This document contains general safety and operation instructions for your Norma product. It is important to read this document before attempting to use this device. Please pay particular attention to safety instructions.

The information that the manual contains is subject to change without notice. NORMA assumes no responsibility for errors that may appear within this document and is restricted for use by NORMA Audio.

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AUDIO ELECTRONICS

I • Introduction

Thank you for purchasing a NORMA Audio product.

Please read this manual thoroughly before inserting the batteries into this remote control.

Following the instructions in this manual will enable you to obtain optimum performance and listening enjoyment from your new NORMA unit.

Please retain this manual for future reference.

II • Unpacking

Follow these steps to safely unpack the NORMA unit:

• Open the shipping box. Be careful not to damage the inside of the package with the knife.
The packaging must contain the following items:

1 NORMA IR remote control;

3 CR2032 coin batteries;

1 Tx10 screwdriver;

1 IR user manual;

1 Thumbtack for battery removing;

1 Warranty police.

• Place the NORMA IR in a safe location and remove the protective plastic bag.

🔍 *Note:*
If any accessories are missing, or if the unit is damaged or fails to operate, notify your dealer immediately. If the unit was shipped to you directly, notify your shipper immediately. NORMA recommends that you retain the original carton and packing materials in case you need to move or ship the unit in the future. Neither NORMA or the shipper can be held responsible for damages incurred during transit if the original factory packing is not used. All factory returns require that a previous return authorization number be issued by NORMA prior to shipment.

Keep this manual handy for future reference.

Register your NORMA IR online at www.normaudio.com within 15 days of purchase. Retain the original, dated sales receipt as proof of warranty coverage.

⚠ Caution:
The remote control bag, the battery bags and the foam protection are small and dangerous, so keep them out of the reach of children. Choking hazard.

III • Before use

⚠ IMPORTANT SAFETY INSTRUCTIONS ⚠
Read this section carefully to ensure safe operation

▶ III.I General

III.I.I • Read these instructions
All the safety and operating instructions should be read before the product is operated.

III.I.II • Keep these instructions
The safety and operating instructions should be retained for future reference.

III.I.III • Heed all warnings
All warnings on the product and in the operating instructions should be adhered to.

III.I.IV • Follow all instructions
All operating and use instructions should be followed.

▶ III.II Using environment

III.II.I • Environment requirements
Operating environment temperature and humidity: +5 ºC to +35 ºC (+41 ºF to +95 ºF); less than 80%. Do not keep this remote control in locations exposed to excessive humidity or direct sunlight (or strong artificial light) it could damage the finish and the buttons plastic.

Do not use this product in an explosive atmosphere.

Keep electrical device out of the reach of children. Injuries and shock hazard.

III.II.II • Object and Liquid Entry
Do not use this apparatus near water
This product shall not be exposed to dripping and splashing for example, near a bath tub, wash bowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool; and the like. Do not place the remote control near liquids or liquid-containing objects. Never spill liquid of any kind on the product. Internal condense can be formed if the remote control is carried from an extremely cold environment to an extremely hot one. Please wait at least for an hour before operating it again. Do not place a flaming object, such as a candle or lantern near the product. Do not use free flames or flamable substances near this remote control.

III.II.III • Flame
Do not place a flaming object, such as a candle or lantern, or near the product. Do not use free flames or flamable substances near this appliance.

III.II.IV • Heat
Do not keep this near any heat sources such as radiators, heat registers stoves, or other apparatus (including amplifiers) that produce heat.

▶ III.III Power

III.III.I • Battery types
This device must be used only with CR2032 batteries. Absolutely do not install into it any other type of battery. Wrong voltages or bad contacts could damage the remote control.

III.III.II • Battery polarity
The batteries have a defined polarity. Follow the user manual instructions to install them correctly.
Do not reverse the battery polarity, it may cause damages to the batteries and to the remote control.

> ▲ Caution:
> Do not touch both the poles with a metal object, the short circuit could cause explosion, liquid spill or corrosive substances leakage.
> The unit is of class 1 construction and must be connected to a mains socket outlet with a protective earthing connection.

III.III.III • Battery replacing
When replaced the batteries must be of the same type. Do not mix used and new batteries, liquid spill and injuries hazard.
Do not waste empty batteries.

III.III.IV • Battery removing
If you don't use this remote control please remove the batteries with the provided thumbtack.

▶ III.IV Servicing

III.IV.I • Do not try to repair this product
Do not attempt to service this product yourself, you could damage that. Refer all servicing to qualified service personnel.
For technical assistance, please contact a qualified technician or a NORMA dealer.

III.IV.II • Damage requiring service
Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

III.IV.III • Service warning
Remove the batteries from this remote and refer servicing to qualified service personnel under the following conditions:

• If this remote control has fallen into the water or other liquids;

• If liquid has been spilled into the remote control;

• If the remote control has been exposed to rain or water;

• If the Remote Control has been dropped or damaged in any way.

III.IV.IV • Replacement parts and accessories

When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, liquid spill, corrosive substances leakage or other hazards. Clone or non-original spare parts may result in malfunctioning, spilled liquid from the batteries or batteries overheating.

III.IV.V • Safety check

Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

III.IV.VI • Never disassemble or modify the unit

Do not use this product with the cover removed.

▶ III.V Care & maintenance

III.V.I • Cleaning

• Do not use liquid cleaners or aerosol cleaners;

• Use a damp cloth for cleaning;

• Do not let insecticides, benzene, and thinner come in contact with the unit, absolutely do not use these substances to clean the unit.

▶ III.VI Application fields

This product is for general household purposes. Any failure due to use for other than household purposes (such as long-term use for business purposes in a restaurant or use in a car or ship) and which requires repair will be charged for even during the warranty period.

⚲ IV.I Notes about recycling

This products packaging materials are recyclable and can be reused. Please dispose of any materials in accordance with the local recycling regulations. When discarding the unit, comply with local rules or regulations.
Batteries should never be thrown away or incinerated but disposed of in accordance with the local regulations concerning battery disposal. This product and the supplied accessories, excluding the batteries, constitute the applicable product according to the WEEE directive. Products and batteries with the symbol (crossed-out wheeled bin) cannot be disposed as household waste. Old electrical and electronic equipment and batteries should be recycled at a facility capable of handling these items and their waste byproducts. Contact your local authority for details in locating a recycle facility nearest to you.

▶ IV.II Information on disposal for users (private households)

IV.II.I • In the European Union

> ▲ Attention:
> If you want to dispose of this equipment, please do not use the ordinary dust bin. Used electrical and electronic equipment must be treated separately and in accordance with legislation that requires proper treatment, recovery and recycling of used electrical and electronic equipment.

Following the implementation by member states, private households within the EU states may return their used electrical and electronic equipment to designated collection facilities free of charge. In some countries your local retailer may also take back your old product free of charge if your purchase a similar new one.
If your used electrical or elctronic equipment has batteries or accumulator, please dispose of these separately before and according to local requirements.
By disposing of this product correctly you will help ensure that the waste undergoes the necessary treatment, recovery and recycling and thus prevent potential negative effects on the environment and human health which could otherwise arise due to inappropriate waste handling.

IV.II.II • In other countries outside th EU

If you wish to discard this product, please contact your local authorities and ask for the correct method of disposal.
For Switzerland:
Used electrical or electronic equipment can be returned free of charge to the dealer, even if you don't purchase a new product. Further collection facilities are listed on the home page of *www.swisco.ch* or *www.sens.ch* .

▶ IV.III Information on disposal for business user

IV.III.I • In the European Union

If this product is used for business purposes and you want to discard it:

Please contact your NORMA dealer who will inform you about the take-back and recycling. Small products (and small amounts) might be taken back by your local collection facilities.

For Spain:

Please contact the established collection system or your local authority for take-back of your used products.

IV.III.II • In other Countries outside the EU

If you wish to discard of this product, please contact your local authorities and ask for the current method of disposal.

⚠ Attention:
Your product is marked with this symbol. It means that used electrical and electronic products should not be mixed with general household waste. There is a collection system for these products.

User manual

IR-31 AMP / 43 / 31 CD

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A U D I O   E L E C T R O N I C S

CONGRATULATIONS

First of all, we would like to thank you for the trust you have placed in NORMA. The product you purchased is the result of a long research and development process in which we have put our technical experience, and our passion for music. This products will offer you the best that technology has expressed for high quality sound reproduction. In front of the choice of what to offer as the possibility of customizing the product functions, there are two ways: the first is a simply and immediate user menu, but inevitably with limited possibilities. The second one is wider and able to adapt its functioning (and the sound performance) to the user's desire. Our decision was to offer you the possibility of customization as much as possible the functions that influence the final result. We are sure that you can appreciate this way. In virtue of this, the menus are wide. You will find interesting to read and to study how to use it in detail, in order to better adapt it to your desire. We hope that this manual is clear and that it will answer to each your questions; however we will be pleased to answer to any questions or doubt that you will have. We are confident that you will find great satisfaction from the use of our products, which, if treated with care, will give you lasting reliability. Before use, it is essential to read and learn the entire contents of this document.

1 • Batteries

▶ 1.1 Inserting the batteries

• Our IR remotes are provided with included batteries but not fitted in to prevent the discharging due to an eventual stocking time or if a button were pushed during the transport. This remote works only with a set of three CD2032 batteries, as provided in the packaging. Do not use any other type of battery, as this could result in damage for the unit;

• First of all, to access the battery compartment, you will have to remove the back panel. In order to do so, pick the screwdriver provided in the packaging, unscrew the screws, and then remove the back panel;

• Be careful not to scratch the panel with the screwdriver;

• The positive battery pole must be in the upper side and the negative one is on the lower side;

▲ **Caution:**

• **Please respect the polarity;**

• **The fork spring on the side is designed to hold down the battery, so don't push that down, the remote control won't work;**

• **Pay attention because that spring is very delicate and it's easy to push that under the battery;**

• **To insert the battery put the positive pole under the fork and then push the battery in the holder.**
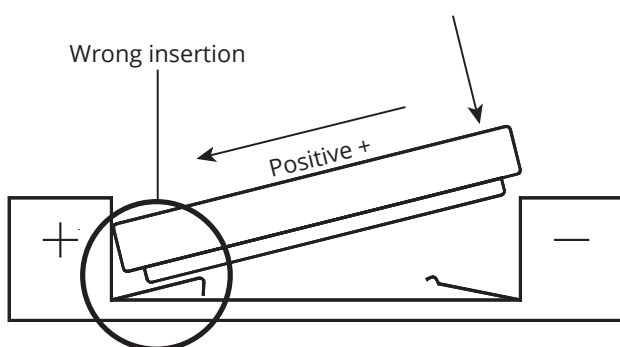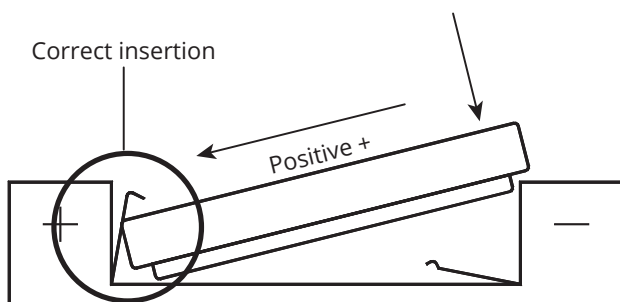
DO NOT force the batteries when inserting.

Correct insertion

Positive +

Wrong insertion

Positive +

▶ 1.2 Removing the batteries

• If the unit is left unused for long periods of time, it is better to remove the batteries, to avoid their discharge and possible damages to the unit;

• To remove the batteries, access the battery compartment as explained in the previous paragraph. Then, pick the appropriate tool from the packaging, as shown in *FIG. IR 2*, and gently insert it on one side of the battery holder. Then, apply a slight pressure, in order to allow the battery to come out. Repeat this operation for all batteries, then screw the back panel on again;

• Do not try to extract the battery with hands, this could cause serious damage to the battery holder and to the unit. Use the provided thumbtack as shown on the *FIG. IR 2*.
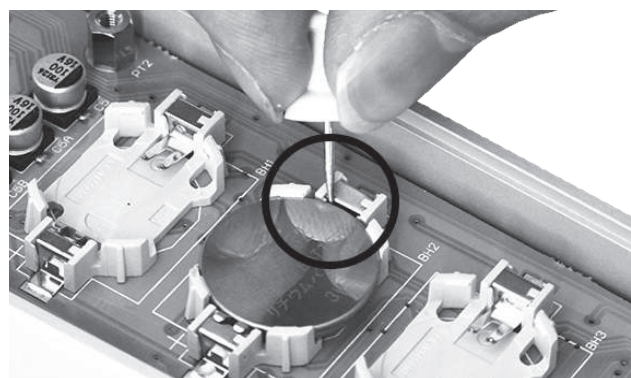
Fig. IR 2   Removing batteries detail

▶ 1.3 Troubleshooting

If the remote control doesn't work, often it's an apparent fault and it could be due to:

• Wrong battery insertion. (positive and negative poles swapped) check it carefully;

• Positive terminal pushed down: if the battery has been inserted badly the positive fork spring could has been pushed down so the battery doesn't make the contact and the remote control doesn't work;

• Mode not selected (ex. DIG-AMP-CD). Press the corresponding button to select the desired mode and then try to send a command to the device.

▶ 1.4 Battery recycling

If you have to replace a discharged battery absolutely do not waste it into the rubbish bin. It's a special waste and it must be given to a recycling center. Batteries and electric components are dangerous for the environment so don't trow them away or with the normal waste.

2 • General remote controls description

2.1 IR-31 AMP remote control: commands list, general description

Symbol	Command	Description
AMP	MODE	Sets remote control on AMP MODE (for REVO IPA-70B / REVO IPA-140 / REVO SC-2 / HS-IPA1)
DIG	MODE	Sets remote control on DIG MODE (for DACs / HS-DA1 & REVO-DAC1)
⏻	POWER ON-OFF	Turns the unit ON and OFF
MENU	MENU	Enters the menu setup configuration
OK	OK	Confirms the selection in MENU
CLEAR	CLEAR	Moves back to upper level in MENU
▶	NEXT	Moves forwards in MENU (direct Input selection on REVO IPA-70B / REVO IPA-140)
◀	BACK	Moves backwards in MENU (direct Input selection on REVO IPA-70B / REVO IPA-140)
◢	VOL. UP FAST	FAST volume UP (direct volume UP control on REVO IPA-70B / REVO IPA-140 / REVO SC-2 / HS-IPA1)
◺	VOL. DOWN FAST	FAST volume DOWN (direct volume DOWN control on REVO IPA-70B / REVO IPA-140 / REVO SC-2 / HS-IPA1)
VOL +	VOL. UP FINE	FINE volume UP
VOL -	VOL. DOWN FINE	FINE volume DOWN
🔇	MUTE	MUTE / UNMUTE the output audio signal
IN	IN	Enters the INPUT SELECTION menu (on REVO SC-2 / HS-IPA1 / HS-DA1)
DAC	DAC	Enters the DAC menu (on REVO SC2+DAC / HS-IPA1+DAC)
1 – 8	NUMBERS (1-8)	Selects a NUMBER (quick inputs selections on REVO IPA-70B / REVO IPA-140)
F1	F1	Generic function, customized for the various devices (phase on DACs)
F2	F2	Generic function, customized for the various devices
A/P	A/P	Toggles active or passive mode (preamplifier REVO SC-2 only)
DY	DY	Changes the display light (customized for various devices) (light 30-100 % ON / OFF)
▶	PLAY	Starts the CD playback (this command is always sent to the REVO CDP+DS-1 in any MODE)
■	STOP	STOP CD playback (this command is always sent to the REVO CDP+DS-1 in any MODE)
▶▶⎮	NEXT	Skips to NEXT track (this command is always sent to the REVO CDP+DS-1 in any MODE)
⎮◀◀	PREVIOUS	Skips to PREVIOUS track (this command is always sent to the REVO CDP+DS-1 in any MODE)

Tab. IR 1   *IR-31 AMP general description*

🔍 *Note:*
For a complete description of the meaning and use of the various commands, refer to the user manual of the single model.

This model can be used with two types of products, amplifiers and DACs. To use it with amplifiers, press the **AMP** button before using the remote control to send commands. The remote control remembers this selection until the batteries are full; therefore it is not necessary to press each time. If the **DIG** key is inadvertently pressed, the commands are routed to the DACs. In this case, simply press the **AMP** command again. Similarly, to control the DACs (eg HS-DA1 or REVO-DAC1), press the **DIG** key first.

▶ 2.2 IR-43 system remote control: commands list, general description

If you have 2 or more NORMA products and you want to control them with a single remote control, you can request IR-43 remote control from NORMA.

Symbol	Command	Description
AMP	MODE	Sets remote control on AMP MODE (for REVO IPA-70B / REVO IPA-140 / REVO SC-2 / HS-IPA1)
CD	MODE	Sets remote control on CD MODE (for REVO CDP+DS-1)
DIG	MODE	Sets remote control on DIG MODE (for REVO-DAC1 / HS-DA1)
AUX	MODE	Sets remote control on AUX MODE (spare)
⏻	POWER ON-OFF	Turns the unit ON and OFF
MENU	MENU	Enters the menu setup configuration
OK	OK	Confirms the selection in MENU
CLEAR	CLEAR	Moves back to upper level in MENU
▶	NEXT	Moves forwards in MENU (direct input selection on REVO IPA-70B / REVO IPA-140)
◀	BACK	Moves backwards in MENU (direct input selection on REVO IPA-70B / REVO IPA-140)
◿	VOL. UP FAST	FAST volume UP (direct volume UP control on REVO IPA-70B / REVO IPA-140 / REVO SC-2 / HS-IPA1)
◺	VOL. DOWN FAST	FAST volume DOWN (direct volume DOWN control on REVO IPA-70B / REVO IPA-140 / REVO SC-2 / HS-IPA1)
VOL +	VOL. UP FINE	FINE volume UP
VOL -	VOL. DOWN FINE	FINE volume DOWN
🔇	MUTE	MUTE / UNMUTE the output audio signal
IN	IN	Enters the INPUT SELECTION menu (on REVO SC-2 / HS-IPA1 / HS-DA1)
DAC	DAC	Enters the DAC menu (on REVO CDP+DS-1 / REVO SC-2+DAC / HS-DA1 / HS-IPA1+DAC)
0 – 9	NUMBERS (0-9)	Selects a NUMBER (quick inputs selections on REVO IPA-70B / REVO IPA-140) or (track on REVO CDP+DS-1)
F1	F1	Generic function, customized for the various devices (digital phase on REVO CDP+DS-1 & DACs)
F2	F2	Generic function, customized for the various devices
F3	F3	Generic function, customized for the various devices
A/P	A/P	Toggles active or passive mode (preamplifier REVO SC-2 only)
DY	DY	Changes the display light (customized for the various devices) (light 30-100 % ON / OFF)
DV	DV	DIGITAL VOLUME setting, only in REVO CDP+DS-1 in DAC mode with SRC enabled
▶	PLAY	Starts the CD playback (this command is always sent to the REVO CDP+DS-1 in any MODE)
⏸	PAUSE	PAUSE CD playback (this command is always sent to the REVO CDP+DS-1 in any MODE)
■	STOP	STOP CD playback (this command is always sent to the REVO CDP+DS-1 in any MODE)
⏭	NEXT	Skips to NEXT track (this command is always sent to the REVO CDP+DS-1 in any MODE)
⏮	PREVIOUS	Skips to PREVIOUS track (this command is always sent to the REVO CDP+DS-1 in any MODE)
▶▶	FAST FORWARD	Fast forwards track (this command is always sent to the REVO CDP+DS-1 in any MODE)
◀◀	REWIND	Rewinds track (this command is always sent to the REVO CDP+DS-1 in any MODE)
⏏	OPEN / CLOSE	Opens / closes the CD tray (this command is always sent to the REVO CDP+DS-1 in any MODE)
REPEAT	REPEAT	Activates automatic repeat (this command is always sent to the REVO CDP+DS-1 in any MODE)
TIME	TIME	Changes the time indication shown on CD display (elapsed – remaining)

Tab. IR 2   *IR-43 general description*

🔍 *Note:*
For a complete description of the meaning and use of the various commands, refer to the user manual of the single model, refer also at IR-31 model. Remember to press correct MODE *before use.*

3 • Remote controls model description

▶ **3.1 IR-31 AMP remote control: commands list for REVO IPA-70B / REVO IPA-140**

Symbol	Command	Description
AMP	MODE	Sets remote control on AMP MODE (for REVO IPA-70B / REVO IPA-140 / REVO SC-2 / HS-IPA1)
DIG	MODE	Sets remote control on DIG MODE (for REVO-DAC1 / HS-DA1)
⏻	POWER ON-OFF	Turns the unit ON and OFF
MENU	MENU	Enters the menu setup sonfiguration, **In REVO IPA-70B this command, long press (2s), enable the TAPE OUTPUT**
OK	OK	Not used in this model
CLEAR	CLEAR	Not used in this model
▶	NEXT	Quick input selection, selects the next input
◀	BACK	Quick input selection, selects the previous input
◢	VOL. UP FAST	FAST volume UP
◺	VOL. DOWN FAST	FAST volume DOWN
VOL +	VOL. UP FINE	FINE volume UP
VOL -	VOL. DOWN FINE	FINE volume DOWN
🔇	MUTE	MUTE / UNMUTE the output audio signal
IN	IN	Not used in this model
DAC	DAC	Not used in this model
1 – 6	NUMBERS (1-6)	Quick inputs selections
7 – 8	NUMBERS (7-8)	Not used in this model
F1	F1	Not used in this model
F2	F2	Not used in this model
A/P	A/P	Not used in this model
DY	DY	Not used in this model
▶	PLAY	Starts CD playback (this command is always sent to the REVO CDP+DS-1 in any MODE)
■	STOP	STOP CD playback (this command is always sent to the REVO CDP+DS-1 in any MODE)
▶▶	NEXT	Skips to NEXT track (this command is always sent to the REVO CDP+DS-1 in any MODE)
◀◀	PREVIOUS	Skips to PREVIOUS track (this command is always sent to the REVO CDP+DS-1 in any MODE)

Tab. IR 3   *IR-31 AMP for REVO IPA-70B / REVO IPA-140*

🔍 *Note:*
For a complete description of the meaning and use of the various commands, refer to the user manual of the single model. Remember to press **AMP** *before use.*

Shortcut for input selection mode:
The input selection is possible in two ways, one sequential **(1)** and one direct **(2)**.

1 • Press ▶ or ◀ ;

2 • Press **1 – 5**
(5 in the case of REVO IPA-70B, 6 in the case of REVO IPA-140USB with USB option).

▶ 3.2 IR-31 AMP remote control: commands list for REVO SC-2

Symbol	Command	Description
AMP	MODE	Sets remote control on AMP MODE (for REVO IPA-70B / REVO IPA-140 / REVO SC-2 / HS-IPA1)
DIG	MODE	Sets remote control on DIG MODE (for REVO-DAC / HS-DA1)
⏻	POWER ON-OFF	Turns the unit ON and OFF
MENU	MENU	Enters the menu setup configuration
OK	OK	Confirms the selection in MENU
CLEAR	CLEAR	Moves back to upper level in MENU
▶	NEXT	Moves forwards in MENU
◀	BACK	Moves backwards in MENU
◢	VOL. UP FAST	FAST volume UP
◣	VOL. DOWN FAST	FAST volume DOWN
VOL +	VOL. UP FINE	FINE volume UP
VOL -	VOL. DOWN FINE	FINE volume DOWN
🔇	MUTE	MUTE / UNMUTE the output audio signal
IN	IN	Enters the INPUT SELECTION menu
DAC	DAC	Enters the DAC menu (DAC option)
1 – 8	NUMBERS (1-8)	Selects a NUMBER
F1	F1	This command change the phase on the digital audio signal, 0 –180° with DAC options
F2	F2	Generic function, customized for the various devices
A/P	A/P	Selects between ACTIVE and PASSIVE mode
DY	DY	Go to menu for changes the display light
▶	PLAY	Starts the CD playback (this command is always sent to the REVO CDP+DS-1 in any MODE)
■	STOP	STOP CD playback (this command is always sent to the REVO CDP+DS-1 in any MODE)
▶▶▶	NEXT	Skips to NEXT track (this command is always sent to the REVO CDP+DS-1 in any MODE)
◀◀◀	PREVIOUS	Skips to PREVIOUS track (this command is always sent to the REVO CDP+DS-1 in any MODE)

Tab. IR 4   *IR-31 AMP for REVO SC-2*

🔍 *Note:*
For a complete description of the meaning and use of the various commands, refer to the user manual of the single model. Remember to press **AMP** *before use.*

Shortcut for Input selection mode:
The input selection is possible in two ways, one sequential **(1)** and one direct **(2)**. Remember to press **OK**:

1 • Press **IN**, ▶ or ◀, **OK**;

2 • Press **IN**, **1 – 6** , **OK**.

Input DAC selection mode (only with DACs option):

1 • Press **DAC**, **OK**, ▶ or ◀, **OK**;

2 • Press **DAC**, **OK**, **1 – 5** , **OK**.

▶ 3.3 IR-31 AMP remote control: commands list for HS-IPA1

Symbol	Command	Description
AMP	MODE	Sets remote control on AMP MODE (for REVO IPA-70B / REVO IPA-140 / REVO SC-2 / HS-IPA1)
DIG	MODE	Sets remote control on DIG MODE (for REVO-DAC1 / HS-DA1)
⏻	POWER ON-OFF	Turns the unit ON and OFF
MENU	MENU	Enters the menu setup configuration
OK	OK	Confirms the selection in MENU
CLEAR	CLEAR	Moves back to upper level in MENU
▶	NEXT	Moves forwards in MENU
◀	BACK	Moves backwards in MENU
◢	VOL. UP FAST	FAST volume UP
◺	VOL. DOWN FAST	FAST volume DOWN
VOL +	VOL. UP FINE	FINE volume UP
VOL -	VOL. DOWN FINE	FINE volume DOWN
🔇	MUTE	MUTE / UNMUTE the output audio signal
IN	IN	Enters the INPUT SELECTION menu
DAC	DAC	Enters the DAC menu (DAC option)
1 – 8	NUMBERS (1-8)	Selects a NUMBER
F1	F1	This command change the phase on the digital audio signal, 0 –180° with DAC options
F2	F2	Generic function, customized for the various devices
A/P	A/P	Not used in this model
DY	DY	Changes the display light (customized for the various devices) (light 30-100 % ON / OFF)
▶	PLAY	Starts the CD playback (this command is always sent to the REVO CDP+DS-1 in any MODE)
■	STOP	STOP CD playback (this command is always sent to the REVO CDP+DS-1 in any MODE)
▶▶|	NEXT	Skips to NEXT track (this command is always sent to the REVO CDP+DS-1 in any MODE)
|◀◀	PREVIOUS	Skips to PREVIOUS track (this command is always sent to the REVO CDP+DS-1 in any MODE)

Tab. IR 5   *IR-31 AMP for HS-IPA1*

🔍 *Note:*

For a complete description of the meaning and use of the various commands, refer to the user manual of the single model. Remember to press AMP *before use.*

Shortcut for Input selection mode:
The input selection is possible in two ways, one sequential **(1)** and one direct **(2)**. Remember to press OK:

1 • Press IN, ▶ or ◀, OK;

2 • Press IN, 1 – 4, OK.

Input DAC selection mode (only with DACs option):

1 • Press IN, 5 – 8, OK
(only for select digital input 1, 2, 3, 4);

2 • Press DAC, 1 – 5.

▷ 3.4 IR-31 AMP remote control: commands list for HS-DA1

Symbol	Command	Description
AMP	MODE	Sets remote control on AMP MODE (for REVO IPA-70B / REVO IPA-140 / REVO SC-2 / HS-IPA1)
DIG	MODE	Sets remote control on DIG MODE
⏻	POWER ON-OFF	Turns the unit ON and OFF
MENU	MENU	Enters the menu setup configuration
OK	OK	Confirms the selection in MENU
CLEAR	CLEAR	Moves back to upper level in MENU
▶	NEXT	Moves forwards in MENU
◀	BACK	Moves backwards in MENU
◿	VOL. UP FAST	FAST volume UP
◺	VOL. DOWN FAST	FAST volume DOWN
VOL +	VOL. UP FINE	FINE volume UP
VOL -	VOL. DOWN FINE	FINE volume DOWN
🔇	MUTE	MUTE / UNMUTE the output audio signal
IN	IN	Enters the INPUT SELECTION menu
DAC	DAC	Enters the DAC menu configuration
1 – 8	NUMBERS (1-8)	Selects a NUMBER
F1	F1	This command change the phase on the digital audio signal, 0 –180°
F2	F2	Generic function, customized for the various devices
A/P	A/P	Not used in this model
DY	DY	Changes the display light (customized for the various devices) (light 30-100 % ON / OFF)
▶	PLAY	Starts the CD playback (this command is always sent to the REVO CDP+DS-1 in any MODE)
■	STOP	STOP CD playback (this command is always sent to the REVO CDP+DS-1 in any MODE)
▶▶▶|	NEXT	Skips to NEXT track (this command is always sent to the REVO CDP+DS-1 in any MODE)
|◀◀◀	PREVIOUS	Skips to PREVIOUS track (this command is always sent to the REVO CDP+DS-1 in any MODE)

Tab. IR 6   *IR-31 AMP for HS-DA1*

🔍 *Note:*

For a complete description of the meaning and use of the various commands, refer to the user manual of the single model. Remember to press DIG *before use.*

Shortcut for Input selection mode:
The input selection is possible in two ways, one sequential **(1)** and one direct **(2)**. Remember to press OK.

1 • Press IN, ▶ or ◀, OK;

2 • Press IN, 1 – 4 (6 with analog PRE option).

▶ 3.5 IR-31 AMP remote control: commands list for REVO-DAC1

Symbol	Command	Description
AMP	MODE	Sets remote control on AMP MODE (for REVO IPA-70B / REVO IPA-140 / REVO SC-2 / HS-IPA1)
DIG	MODE	Sets remote control on DIG MODE (for HS-DA1)
⏻	POWER ON-OFF	Turns the unit ON and OFF
MENU	MENU	Enters the menu setup configuration
OK	OK	Confirms the selection in MENU
CLEAR	CLEAR	Moves back to upper level in MENU
▶	NEXT	Moves forwards in MENU
◀	BACK	Moves backwards in MENU
◢	VOL. UP FAST	FAST volume UP
◣	VOL. DOWN FAST	FAST volume DOWN
VOL +	VOL. UP FINE	FINE volume UP
VOL -	VOL. DOWN FINE	FINE volume DOWN
🔇	MUTE	MUTE / UNMUTE the output audio signal
IN	IN	Enters the INPUT SELECTION menu
DAC	DAC	Enters the DAC menu configuration
1 – 8	NUMBERS (1-8)	Selects a NUMBER
F1	F1	This command change the phase on the digital audio signal, 0 –180°
F2	F2	Generic function, customized for the various devices
A/P	A/P	Not used in this model
DY	DY	Changes the display light (customized for the various devices) (light 30-100 % ON / OFF) **For select display ON / OFF, long press (2s) DY**
▶	PLAY	Starts the CD playback (this command is always sent to the REVO CDP+DS-1 in any MODE)
■	STOP	STOP CD playback (this command is always sent to the REVO CDP+DS-1 in any MODE)
▶▶	NEXT	Skips to NEXT track (this command is always sent to the REVO CDP+DS-1 in any MODE)
◀◀	PREVIOUS	Skips to PREVIOUS track (this command is always sent to the REVO CDP+DS-1 in any MODE)

Tab. IR 7   *IR-31 AMP for REVO-DAC1*

🔍 *Note:*
For a complete description of the meaning and use of the various commands, refer to the user manual of the single model. Remember to press DIG *before use.*

Shortcut for Input selection mode:
The input selection is possible in two ways, one sequential **(1)** and one direct **(2)**. Remember to press OK.

1 • Press IN, ▶ or ◀, OK;

2 • Press IN, 1 – 4 (6 with analog PRE option).

▶ 3.6 IR-31 CD remote control: commands list for REVO CDP / DS-1

Symbol	Command	Description
⏻	POWER ON-OFF	Turns the unit ON and OFF
MENU	MENU	Enters the menu setup configuration **Used in DAC MODE only**
OK	OK	Confirms the selection in MENU
CLEAR	CLEAR	Moves back to upper level in MENU
▶	NEXT	Moves forwards in MENU
◀	BACK	Moves backwards in MENU
◢	VOL. UP FAST	FAST volume UP (direct volume UP control on REVO IPA-70B / REVO IPA-140 / REVO SC-2 / HS-IPA1)
◺	VOL. DOWN FAST	FAST Volume DOWN (direct volume DOWN control on REVO IPA-70B / REVO IPA-140 / REVO SC-2 / HS-IPA1)
DAC	DAC	Enters the DAC menu **For entry or exit in DAC MODE, long press (2s) DAC**
0 – 9	NUMBERS (0-9)	Selects a NUMBER or track **In stop condition, you must confirm pressing PLAY after track number selection**
F1	F1	Generic function, customized for the various devices (phase on REVO CDP+DS-1) **This command changes the phase on the audio signal, 0 –180°**
DY	DY	Changes the display light (customized for the various devices) (light 30-100 % ON / OFF) **For select display ON / OFF, long press (2s) DY**
▶	PLAY	Starts the CD playback
⏸	PAUSE	PAUSE CD reproduction
⏹	STOP	STOP CD playback
⏭	NEXT	Skips to NEXT track
⏮	PREVIOUS	Skips to PREVIOUS track
⏩	FAST FORWARD	Fast forwards track
⏪	REWIND	Rewinds track
⏏	OPEN/CLOSE	Opens / closes the CD tray
REPEAT	REPEAT	Activates automatic repeat
TIME	TIME	Changes the time indication shown on CD display (elapsed – remaining)

Tab. IR 8   *IR-31 CD for REVO CDP / DS-1*

🔍 *Note:*
For a complete description of the meaning and use of the various commands, refer to the user manual of the single model.

Shortcut for DAC Mode:

• Press long time (2s) DAC.

Shortcut for DAC input selection (in DAC mode):
The input selection is possible in two ways, one sequential **(1)** and one direct **(2)**. Remember to press OK.

1 • Press DAC, ▶ or ◀, OK ;

2 • Press IN, 1 - 5, OK.

Shortcut for DAC setting mode:

• (In DAC mode) press MENU.

Warranty

IR-31 AMP / 43 / 31 CD

4 • Warranty conditions

We hereby acknowledge to the NORMA product specified below the warranty lasts 2 (two) calendar years from the sale date of this product. The terms which regulates the warranty are written below and they are integral part of this certificate.

▶ 4.1 Object of warranty

The warranty only covers the product shown on the registration module (also downloadable from NORMA website) which forms an integral part of this document, as well as the accessories related to it, provided that they are purchased at the same time.

▶ 4.2 Warranty content

• NORMA will, at its option, repair or replace the product covered by this warranty if it becomes defective, malfunctions or otherwise fails to conform with this warranty under normal use and service during the term of this warranty. Without charge for labor or materials. Repairs may be performed using new or refurbished parts that meet or exceed NORMA specifications for new parts;

• Damages and injuries (direct or indirect) of any nature and title, deriving from faults and malfunctioning won't be covered from this warranty. The warranty will cover only the NORMA product repair.

▶ 4.3 Limited warranty range

• The warranty period starts from the time of purchase. In the event of a deferred payment, the application of the warranty will be guaranteed unless the payment is successfully completed.
In the event that the agreed payment is not respected (amounts and / or expirations), NORMA reserves itself the right to modify, suspend or delete the warranty. In case of deferred payement the warranty expiration could precede the payement expiration;

• The warranty will be valid only after the product registration within the maximum term of 30 calendar days from the purchase date, using the registration module that is an integral part of this document (also downloadable from NORMA website). That module must be compiled in each part and followed by the sales document. The sales document must have fiscal validity (fiscal ticket, invoice or receipt) proving date, place of sale, amount and retailer name. The retailer must stamp at the bottom the registration module. In any case the warranty won't be applied to appliances whose owners have not fulfilled the above formalities;

• NORMA products are very sophisticated, these products must be used and installed only by subjects with adequate knowledge and experience related to the installing and using procedures;

• Warranty void if the user doesn't observe all the indications reported in the relative safety and user manual;

• Warranty will be provided only in NORMA venue. The shipping costs are charged to the customer both outward and return, so as the shipping risks. The eventual insured shipping doesn't constrain NORMA to any type of responsibility related to the shipping risks;

• NORMA products are designed only for personal entertainment, then the warranty covers only the defects due to a private household use and it doesn't cover:

▶ *Any unit which has been altered or on which the serial number has been defaced, modified or removed;*

▶ *Normal wear, battery or battery replacement and any periodic maintenance;*

▶ *Deterioration due to corrosive atmosphere or other external causes such as extremes in temperature or humidity;*

▶ *Damages attributable to power line surge or related electrical abnormalities, lightning damage or abnormal atmospheric acts as well as phenomena of transmutation of the atom or radiation caused by the artificial acceleration of atomic particles;*

▶ *RFI / EMI (Interference / noise) caused by improper grounding or the improper use of either certified or uncertified equipment, if applicable;*

▶ *Interference arising from the use of wireless communication devices (e.g. 2.4 gHz cordless telephones), or other radio frequency emitting products such as microwave ovens, whether such interference impairs the operation of the product or vice-versa. Consult the owner's manual for guidance on set-up procedures for minimizing the risks of interference. Any evidence of alteration, erasing or forgery of proof of purchase documents will cause this warranty to be void. This warranty covers only the original owner and is not transferable.*

Any fault, malfunctioning, direct or indirect damage or partial functioning are not covered by warranty. This product is not designed for particular use. Its application field is limited to play music exclusively at home.
The continuous functioning, free from faults and malfunctioning is not guaranteed.

• If during the warranty period NORMA receives the notice of a defect, covered by the NORMA warranty, NORMA will fix or replace the product at its discretion. Any replacement product can be a new or semi-new product, provided that it has at least equivalent functionality to the product that will be replaced. The warranty period will be equal to the warranty period remaining on the original product;

• During the warranty period NORMA will at its sole option and expense, repair or replace any product found

to be defective. In the event that the product is no longer available and cannot be repaired effectively. NORMA at its sole option may replace it with a reasonable equivalent, or refund the original purchase price paid. NORMA won't cover the return shipping cost;

• This limited warranty is applicable only in the country where the product was purchased;

• The warranty is valid also only and exclusively for the first subsequent owner, provided that exists a clear and incontrovertible act which proves the change of ownership and that him registers his own product within 30 days from the purchase date. The warranty cannot be extended to the new owner if the previous one did not fulfill the formalities indicated in point 2 of C section;

• The lasting of the warranty period cannot be interrupted for any reason. The non-use of this product does not interrupt or extend the warranty period.

▶ 4.4 Warranty exclusion

• The warranty does not cover the damages due to whichever wrong transport or wrong handling;

• Wires, connectors, selectors, mechanical commands, potentiometers, fuses and other any part subject to wear are not covered by the warranty;

• External connectors, printed circuits and internal components are not guaranteed against, colour alteration and corrosion;

• In any case the external and internal finish are not covered by warranty;

• For the following countries: U.S.A. (United States of America), Canada and Mexico is absolutely prohibite to commercialize, to direct or indirect import and to use for any reason, even temporarily and occasional. OPAL ELECTRONICS and NORMA cannot be held responsible for any unauthorised use of own products.
The only entity authorized to import and sell the products is the official distributor. The official NORMA local dealer becomes subject to liability for the warranty and all legal aspects that it entails, as well as for the sale and use of the product;

• Do not return your product for repair without prior authorization from NORMA. The repair during the limited warranty period by a person not explicitly authorized by NORMA will void the warranty and will be carried out at your risk.

▶ 4.5 Warranty limits

• Any eventual implied warranties, including warranties of merchantability and fitness for a particular purpose shall be limited in duration to the applicable period of time set forth above. NORMA's liability for any defective product is limited to repair or replacement of the product;

• Until the law-concessed point the remedies provided in this warranty are only remedies for the customer;

• It is excluded each refund as well as any contractual or extra contractual liability for direct or indirect damages to persons or things.

▶ 4.6 Responsibility limits

• NORMA does not guarantee that the use of any its product is continuous or free from any error or free from any type of fault;

• Under no circumstances and in no case will NORMA be liable for any accidents, consequential damages, liability, arising from the owner or user due to the failure or inappropriate use of the product;

• In no case and under no circumstances will NORMA be liable for any accident and / or consequential damage to other equipment due to failure or imperfect operation of the NORMA products or the accompanying documentation;

• With the exception of the obligations specifically included in this warranty statement, norma shall not be responsible for incidental or consequential damages or for damages based upon inconvenience, loss of use, damage to any other equipment or other items at the site of use or interruption of performances or any consequences;

• NORMA reserves the right to modify technical characteristics, functional characteristics, prices and anything else it deems useful without any obligation to anyone.

We sincerely thank you for your expression of confidence in NORMA. We wish you many years of listening pleasure.

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