Important Safety Instructions

Explanation of symbols used in this manual or on the rear/underside of the apparatus:

⚠⚠⚠ This symbol is intended to alert the user to the presence of uninsulated dangerous voltages within the enclosure of sufficient magnitude to cause electric shock.

⚠⚠⚠ This symbol is intended to alert the user to the presence of important operation, maintenance and servicing information in the instruction and service manuals.

For apparatus connected to the mains electricity supply

CAUTION
TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE THE COVER.
NO USER SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.
REPLACE THE MAINS FUSE IN THE PLUG WITH ONE OF THE SAME TYPE AND RATING.
DISCONNECT SUPPLY CORD BEFORE CHANGING FUSE.

WARNING
TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE. SHOCK HAZARD - DO NOT OPEN.

MAIN S PLUGS
This apparatus is supplied with a non-rewirable mains plug for the intended country.
Replacement mains leads can be obtained from your Linn retailer. Should you need to change the plug please dispose of it carefully. A plug with bared conductors is dangerous if engaged in a live socket.

The Brown wire must be connected to the Live (Line) supply pin.
The Blue wire must be connected to the Neutral supply pin.
The Green/Yellow wire must be connected to the Earth (Ground) supply pin.

Please contact your retailer or a competent electrician if you are in any doubt.

⚠ Refer to the rear or underside of the product for fuse and power consumption information.

Waste Electrical and Electronic Equipment (WEEE) Directive

The symbol (left) is shown on this product. It indicates that the product should not be disposed of with regular household waste, but should be disposed of separately.

Electrical and electronic equipment can contain materials that are hazardous to the environment and human health and therefore should be disposed of at a designated waste facility or returned to your retailer for the appropriate recycling to take place (see www.linn.co.uk for further information).

If you wish to dispose of this product and the product still functions, please consider recycling/reusing it by donating it to a charity shop, selling it or part-exchanging it with your retailer.

GENERAL SAFETY INSTRUCTIONS
1. Read these Instructions.
2. Keep these Instructions.
3. Heed all Warnings.
4. Follow all Instructions.
5. Do not use the apparatus near water, for example near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, near a swimming pool etc.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions. Site the apparatus so that its location or position does not interfere with its proper ventilation. For example, the apparatus should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings, or placed in a built-in installation such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarised or grounding type plug. A polarised plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and at the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. 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.
15. Wall or ceiling mounting. Mount the apparatus to a wall or ceiling only as recommended by the manufacturer.
16. Power sources. Connect the apparatus to a power supply only of the type described in the operating instructions or marked on the apparatus.
17. Mains plug. Use the mains plug to disconnect the apparatus from the mains supply. The mains plug must be accessible at all times. Use the mains switch (if applicable) when the apparatus is not in use.
18. Power lines. An outdoor antenna should be located away from power lines.
19. Outdoor antenna grounding. If an outdoor antenna is connected to the apparatus, ensure that the antenna system is grounded to provide some protection against voltage surges and static build up. In the USA see article 810 of the National Electrical Code ANSI/NFPA 70 concerning installation requirements.
20. Telephone line. Do not connect the apparatus to a telephone line except where specifically instructed to do so.
21. Objects and liquid entry. Do not let objects or liquids fall into the apparatus. Do not expose the apparatus to dripping or splashing. Do not place a vessel containing liquid on top of the apparatus.
22. No naked flame sources, such as lighted candles, should be placed on the apparatus.
23. The apparatus has been designed for use in moderate and tropical climates.
UK USERS PLEASE READ THIS IMPORTANT SAFETY INFORMATION

Fuse replacement
This appliance is fitted with a non-rewireable 13 amp mains plug. The plug contains a 5 amp fuse. If the fuse has blown it can be replaced as follows:

a) Pull out the red fuse cover/carrier.
b) Remove and dispose of the blown fuse.
c) Fit a new 5 amp BS1362 approved fuse into the carrier and push the carrier back into the plug.

Always ensure the fuse cover is fitted. If the fuse cover is missing do not use the plug. Contact your Linn retailer to obtain a replacement fuse cover.

Fuses are for fire protection and do not protect against electric shock.

Mains plug replacement
Should your mains plug need replacing and you are competent to do this proceed as follows. If you are in doubt contact your Linn retailer or a competent electrician.

a) Disconnect the plug from the mains supply.
b) Cut off the plug and dispose of it safely. A plug with bared conductors is dangerous if engaged in a live socket.
c) Only fit a 13 amp BS1363A approved plug with a 5 amp fuse.
d) The cable wire colours or a letter will be marked at the connection points of most quality plugs.

Attach the wires securely to their respective points. The Brown wire must go to the Live pin, the Blue wire must go to the Neutral pin, and the Green/Yellow wire must go to the Earth pin.

e) Before replacing the plug top ensure that the cable restraint is holding the outer sheath of the cable firmly and that the wires are correctly connected.

WARNING
THIS APPLIANCE MUST BE EARTHED.

---

CE Declaration of Conformity

Linn Products Ltd declare that this product is in conformance with the Low Voltage Directive 73/23/EEC and Electromagnetic Compatibility 89/336/EEC as amended by 92/31/EEC and 93/68/EEC.

The conformity of the designated product with the provisions of Directive number 73/23/EEC (LVD) is proved by full compliance with the following standards:

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FCC notice

NOTE:
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Linn Products Limited, Glasgow Road, Waterfoot, Eaglesham, Glasgow, G76 0EQ,
Scotland, United Kingdom

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EXOTIK PRE-AMPLIFIER
Owner's Manual
Introduction

The EXOTIK pre-amplifier has been designed to provide superb audio performance with both two- and multi-channel source material. This product uses technology developed for Linn's award-winning flagship KLIMAX Kontrol pre-amplifier and offers purist audio performance and access to and control of the new generation of multi-channel sound formats.

Two variants of the product offer different levels of functionality to suit your requirements:

The standard EXOTIK is a multi-channel analogue unit supporting bass redirect, stereo sub algorithm and 5.1 to 2 channel downmix.

EXOTIK+DA is an enhanced product which offers all the features of the standard EXOTIK with the addition of a digital audio module for processing of all major audio algorithms, including Dolby Digital 5.1, Pro Logic II, DTS Surround and DTS 96/24.*

The EXOTIK pre-amplifier exemplifies a commitment by Linn to new products which can take advantage of the latest technology and audio formats whilst continuing to support existing Linn customers with improved performance and superb value.

Important notes:

When the unit is in standby, either EXOTIK or EXOTIK+DA is shown on the front panel display to indicate the product variant.

In this manual ‘EXOTIK’ refers to both the standard and the EXOTIK+DA versions of the product. ‘Standard EXOTIK’ and ‘EXOTIK+DA’ refer specifically to the variants.

*The digital audio module is available as an upgrade for the standard EXOTIK.

Audio formats (EXOTIK+DA)

The surround sound algorithms supplied with the EXOTIK+DA include:

- Dolby Pro Logic II, Dolby Digital EX
- DTS 96/24, DTS-ES

Along with Linn's proprietary LIMBIK algorithm.

Note:
A full list of the algorithms is detailed in the Surround sound formats section of the Operation chapter (page 18).

Cleaning

Disconnect the EXOTIK from the power supply before cleaning. Remove dust and fingerprints with a soft, dry cloth. Avoid using domestic cleaning products on the unit.
Connecting

This chapter explains how to install the EXOTIK pre-amplifier into your hi-fi/AV system.

Unpacking

The EXOTIK is supplied with the following accessories:

- luminescent handset with booklet
- 2 x R03 (AAA) batteries for the handset
- 1 pair of black interconnect cables
- RS232 lead (for connecting the EXOTIK to a Linn UNIDISK player to allow communication between the two units)
- mains lead
- this manual

We recommend you retain the packaging for reuse in case you need to transport the unit at any time.

Connecting to the mains supply

Manual voltage selection is not required as the EXOTIK operates from any mains AC power. There are no user-replaceable fuses inside the unit. The mains lead supplied may be fitted with a fused plug according to local regulations. If this is the case, always replace this fuse with another of the same type and rating.

The EXOTIK must always be earthed when connected to the mains supply. Use the earthed mains lead supplied. Never use an unearthed plug or adapter with this unit.

Positioning

You can locate your EXOTIK anywhere you find convenient (including in a 19” rack), but there are a few simple points to note regarding positioning:

- The IR sensor that receives the handset signals is quite sensitive, so the unit should be kept out of direct sunlight to avoid false operation. The IR beam from the handset will pass through semi-opaque glass so operation behind, for example, smoked-glass cabinet doors is possible.
- Never block the ventilation slots on the top and sides of the unit.
- The unit should be protected from anything that generates significant amounts of heat, such as radiators or power amplifiers.

Note regarding Plasma and LCD screens

- Plasma and large LCD screens emit infra-red (IR) frequencies that can interfere with the IR remote operation of the EXOTIK if the emitted IR hits the product’s display. Take care not to place the EXOTIK in a position where it faces the Plasma / LCD screen or otherwise allows the emitted IR to shine directly on to it. A position below or directly adjacent to the screen will normally avoid such interference.
Switch off the EXOTIK before connecting plugs to, or disconnecting plugs from, the back panel to avoid generating an electrical surge that may damage the unit or other components of your AV system.
Front Panel and Handset

Front panel display

The front panel display shows you information regarding what you are listening to. The current volume, current source, or both can be displayed along with the input audio signal and processing algorithm.

The display also shows the setup menus and other information depending on the current operation.

Front panel layout

1. Front panel display
2. SELECT  Selects/executes options and certain commands. Used for accessing Setup Menus
3. SOURCE - / +, ө / ө  Change source, for adjusting settings
4. (standby)  Brings unit out of, or puts into, standby mode
5. VOLUME - / +, ө / ө  Adjust the volume level, navigate setup menus and adjust settings
Handset

1. **AUDIO ADJ** Adjusts loudspeaker balance and trims. Resets audio settings
2. **LIP SYNC** Adds time delay to the audio signal*
3. **(mute)** Mutes/unmutes the audio output
4. **SURR** Selects a surround sound format. Switches Midnight Movie mode on/off*
5. **VOL - / +** Adjust the volume level
6. **CD** Selects a CD source
7. **AUX** Selects an auxiliary source
8. **For navigating setup menus and adjusting settings**
9. **SETUP** Enters/exits the setup menus
10. **(standby)** Brings unit out of, or puts into, standby mode
11. **TV** Puts handset into TV mode
12. **TUNER** Selects a tuner source
13. **DVD** Selects a DVD source
14. **'enter** Selects/executes options and certain commands. Is used for accessing Setup Menus
15. **(record)** For setting up a record path
16. **KNEKT keys** Used if the unit is installed in a KNEKT system

Keys and functions not listed above do not function with the EXOTIK but may with other Linn products.

Note:
If your EXOTIK is not responding as expected to handset keys, it is likely that the handset is in TV mode. To correct this press any of the source keys (DVD, CD, TUNER or AUX) on the handset.

*EXOTIK+DA
Setup

Connecting

The first stage in setting up your EXOTIK is to connect your sources, power amp(s) and other peripheral devices to the EXOTIK.

1. Ensure your EXOTIK and all components that you will be connecting to the EXOTIK are disconnected from the mains supply.

2. Connect your source components, power amp(s) and any communication/control devices you wish to use, referring to the back panel diagram in the Connecting chapter (page 3).

3. Connect the EXOTIK to the mains supply and turn the unit on using the switch on the back panel. After a few seconds the front panel will display EXOTIK or EXOTIK+DA depending on your unit.

4. Press the key on the front panel or handset.

The main stage in setup is configuring the EXOTIK pre-amplifier to suit your requirements. This is achieved using the setup menus. How to configure the EXOTIK is explained in the rest of this chapter.

Using the EXOTIK with a Linn UNIDISK player

For information on how to connect and set up your EXOTIK to a Linn UNIDISK player, see page 16.

Setup menus

The setup menus enable you to configure your EXOTIK for all sources it is connected to, the loudspeakers in your system and much more. To take advantage of your EXOTIK’s features, please take the time to configure your unit correctly.

The setup menus are divided into five categories and are accessed via the MAIN MENU:

- **SPEAKER SETUP**
  For configuring the unit for the number and size of the loudspeakers in your system and for calibrating their volume level. (EXOTIK+DA: also for setting the distance of your loudspeakers from your listening position.)

- **SOURCE SETUP**
  For configuring sources on the unit.

- **AUDIO SETUP**
  For configuring the audio output of the unit.

- **GENERAL SETUP**
  For adjusting the general setup of the unit.

- **UNIDISK SOURCE**
  For adjusting the input settings if you are using a Linn UNIDISK player with the EXOTIK.

There is also a UNIDISK SETUP item in the MAIN MENU for accessing the setup menus on a Linn UNIDISK player if one is present (see Using the EXOTIK with a Linn UNIDISK player, page 16).

In addition, the EXOTIK features an INSTALLER MENU for saving the configuration of the unit as set in the above menus and restoring the factory defaults. For full information see Installer menu, page 15.
Using the setup menus

To access the setup menus:

Either

● Press SETUP on the handset.

or

● Hold SELECT on the front panel until MAIN MENU / SPEAKER SETUP is shown on the display.

To access the installer menu:

● Hold SETUP on the handset or SELECT on the front panel until INSTALLER MENU is shown on the display (approximately 5 seconds).

To navigate through the menus and options:

● Use the ▲ / ▼ keys on the handset or front panel. Arrows on the display indicate which key(s) can be used.

To make a selection:

● Press ‘enter’ on the handset, or SELECT on the front panel.

To exit from the setup menus:

● Press SETUP on the handset (if changes have been made you will be prompted to save or not save the changes).

Speaker setup

SIZE

Accesses the SPEAKER SIZE sub-menu.

For all loudspeakers in your system (except a subwoofer) you must inform the EXOTIK whether the speakers are LARGE or SMALL. These settings refer to the frequency response of the loudspeakers, not to their physical size.

Standard EXOTIK

For loudspeakers that operate below 100 Hz, select LARGE. For loudspeakers that do not operate below 100 Hz, select SMALL. Frequencies in the audio signal that are below 100 Hz will be routed to a subwoofer, if present, or any LARGE loudspeakers, if not.

SMALL FREQUENCY (EXOTIK+DA)

Select the operating frequency that your limited bass response (SMALL) loudspeakers operate above. Frequencies in the audio signal that are below the selected option will be routed to a subwoofer, if present, or any full-range loudspeakers (LARGE), if not.

Options: 40 Hz, 60 Hz, 80 Hz, 100 Hz, 120 Hz
Default setting: 80 Hz

FRONT*

Large front speakers (full-range frequency response), set to LARGE. Small front speakers (limited bass response), set to SMALL.

Default setting: LARGE

*For two-channel systems, use the FRONT item and set CENTRE, SURROUND and SURROUND BACK to NONE.
DISTANCE (EXOTIK+DA)
Accesses the SPEAKER DISTANCE sub-menu.

DISTANCE UNITS
Select the units for loudspeaker distance measurements.
Options: FEET, METRES
Default setting: FEET

SPEAKER DISTANCE
In order to ensure that sound from all loudspeakers in your system reaches you at the same time, you must inform the EXOTIK+DA as to the distance each speaker is from your seating position. The EXOTIK+DA will then add a time delay to the appropriate speakers.
Set the distance from your seating position for all speakers in your system. Range: 1 ft (0.3 m) to 227 ft (88.2 m)
Default setting: 66 ft (1.88 m)
Select SAVE to save your changes and return to the SPEAKER SETUP menu.
Select BACK to return to the SPEAKER SETUP menu without saving changes.
Select EXIT to leave setup (if changes have been made and SAVE has not been selected, you will be prompted to save or not save the changes).

CALIBRATION
Accesses the SPEAKER CALIBRATION sub-menu.

SPEAKER CALIBRATION
If your audio system uses more than two loudspeakers and a subwoofer, you can use the speaker calibration feature to ensure that the volume level that reaches your seating position is the same for each loudspeaker (speaker calibration is not required for two-channel systems). Calibration can be done by ear or by using an SPL (Sound Pressure Level) meter.
There are differences in the method of performing loudspeaker calibration on a standard EXOTIK and an EXOTIK+DA:

**Standard EXOTIK**

You will need a test disc that contains a tone signal for each loudspeaker in your system. Your specialist Linn retailer may be able to supply you with a suitable disc.

To perform speaker calibration:

- Add a Linn UNIDISK player to the EXOTIK by following the setup instructions on page 16.
- Exit setup and change source to ‘UNIDISK’.
- Re-enter setup and return to the SPEAKER CALIBRATION sub-menu.
- Play the tracks on the test disc for speaker calibration while selecting the appropriate loudspeakers from the EXOTIK’s menu.
- If the tone signal coming from a particular loudspeaker is louder or quieter than from the other loudspeakers, use the / keys on the handset to trim the volume as required.

**EXOTIK+DA**

To perform speaker calibration:

- Select **CALIBRATION LEVEL**. Adjust the calibration level so that the signal you hear is at a comfortable listening level (or reaches a preset level on an SPL meter).
- Select **START**. The signal will move round the loudspeakers in your system in a clockwise direction and will be indicated on the display.
- When the signal reaches a loudspeaker which is louder or quieter than the other loudspeakers, use the / keys on the handset to trim the volume as required. A few seconds after the / or \ key has been released the signal will continue its clockwise direction.
- To exit loudspeaker calibration, press **SETUP** on the handset or **SELECT** on the front panel.

Range: \(-15\) dB to \(15\) dB (in 0.5 steps)
Default setting: \(0\) dB

Select **SAVE** to save your changes and return to the SPEAKER SETUP menu.
Select **BACK** to return to the SPEAKER SETUP menu without saving changes.
Select **EXIT** to leave setup (if changes have been made and SAVE has not been selected, you will be prompted to save or not save the changes).

Select **BACK** to return to the MAIN MENU.
Select **EXIT** to leave Setup.

**Source setup**

Select the back panel input you wish to use with your source component. Please complete the source setup procedure for each source component you are connecting to your EXOTIK.

Options: **ANALOG GROUP**, **ANALOG 1 to 6**, **SPDIF 1 to 3***, **TOS (TOSLINK) 1 to 3***, **KNEKT**.

Notes:
If you are not using a UNIDISK player and wish to use the input(s) assigned to a UNIDISK player, enter the UNIDISK SOURCE menu and set ANALOG SOURCE and DIGITAL SOURCE* to **NONE** (see page 14).

The ANALOG GROUP uses the ANALOG 1, 2 and 3 inputs, therefore if a source is assigned to ANALOG GROUP you cannot also assign a source to ANALOG 1, 2 or 3. Conversely, if a source is assigned to ANALOG 1, 2 or 3, you cannot assign a source to ANALOG GROUP.

*EXOTIK+DA
NAME
You are able to give the source a name which will be shown on the display when that source is selected.

To change the flashing character:
- Repeatedly press or hold ▲ / ▼ on the handset or front panel.

The following characters are available: A to Z, 0 to 9, space.

To move to the next or previous character:
- Press ▶ or ◀.

When you have finished inputting the name, press 'enter' or SELECT.

Default setting: (name of back panel connector or 'UNIDISK')

Notes:
The name can be up to twelve characters long.
The name 'UNIDISK' cannot be changed.

TYPE
Select a type for this source. This is the type that appears on Linn learning handsets.

Options: AUX, CD, DVD, TUNER, PHONO 1/LASER, PHONO 2/AUX, TAPE 1, TAPE 2/VCR, DAT, TV, CABLE, SATELLITE, NONE.

Default setting: AUX (Except ANALOG 1, 2 and 3, and KNEKT which are set to NONE)

Notes:
There are no options available for the UNIDISK input(s), as the type is assumed to be DVD.

For ease of use with the handset supplied with the unit, you may wish to restrict the type selected to either CD, DVD, TUNER or AUX, to allow direct source selection.

If you do not wish to use a particular back panel input, set Type to NONE. This means that when you are using the SOURCE +/− keys on the front panel to select a source, inputs set to NONE will not be seen.

VOLUME OFFSET
Volume offset is for adjusting the volume of a source in comparison to other sources. You may want to adjust the volume offset for a source if, for example, your tuner sounds quieter than your CD player when played at the same volume setting.

Range: -15 to 15 (in 0.5 steps). No volume offset equals 0.
Default setting: 0

SURROUND CHANNELS
If you are setting up the ANALOG GROUP source or are adding a Linn UNIDISK player and have a 7.1 speaker configuration, you are able to select whether to use your side surround or back surround speakers when listening to a 5.1 channel audio source.

Set to SURROUND to send the surround signal to your side surround speakers.
Set to SURROUND BACK to send the surround signal to your back surround speakers.

Default setting: SURROUND

Select SAVE to save your changes and return to the SOURCE SETUP menu.
Select BACK to return to the SOURCE SETUP menu without saving changes.
Select EXIT to leave setup (if changes have been made and SAVE has not been selected, you will be prompted to save or not save the changes).

Select BACK to return to the MAIN MENU.
Select EXIT to leave Setup.
Audio setup

VOLUME RATE
Set the speed at which the EXOTIK changes volume when $\text{VO}_{-}$/$\text{VO}_{+}$ is pressed.

Range: 1/10 (slowest) to 10/10 (fastest)
Default setting: 6/10

MUTE RATE
Set the speed at which the EXOTIK mutes or unmutes the volume when $\text{MUTE}$ is pressed, or when changing sources.

Range: 1/10 (slowest) to 10/10 (fastest)
Default setting: 6/10

VOLUME LIMIT
Set the maximum volume level of the EXOTIK.

Range: 0 to 100 (in 0.5 steps)
Default setting: 100

VOLUME PRESET
Set the volume level of the EXOTIK when it is brought out of standby. The setting cannot be higher than the Volume Limit setting (see above).

Range: 0 to 100 (in 0.5 steps)
Default setting: 40

MIDNIGHT MOVIE (EXOTIK+DA)
This feature allows you to add compression to the Dolby Digital audio signal on DVD-Videos. Adding compression reduces sudden increases in volume, such as the sound of an explosion.

It is operated by pressing and holding $\text{SURR}$ on the handset, then pressing $\text{SURR}$ to toggle between on and off (see page 20).

Options: LOW (least effective), MEDIUM, HIGH (most effective)
Default setting: LOW

DOLBY PRO LOGIC II MUSIC (EXOTIK+DA)
Dolby Pro Logic II is an audio signal processing algorithm that converts a two-channel audio signal to a five-channel audio signal. Dolby Pro Logic II Music is a mode of Dolby Pro Logic II that is particularly suited to music. It features three user-adjustable parameters that are accessed from this item.

CENTRE WIDTH
This parameter allows adjustment of the audio signal between the centre loudspeaker and front left and right loudspeakers.

If set to 0 (no spreading) all of the audio signal for the centre channel is sent to the centre loudspeaker.

If set to 3 (neutral) a portion of the centre channel signal is also sent to the left and right front loudspeakers.

If set to 7 (Full Phantom) all of the centre channel signal is split evenly between the front left and right loudspeakers.

Range: 0 to 7
Default setting: 3

PANORAMA CONTROL
If set to ON, the Panorama control extends the audio signal from the front left and right loudspeakers to include the surround left and right loudspeakers. This adds a "wraparound" effect to the sound.

Options: ON, OFF
Default setting: OFF
**Dimension Control**

This parameter allows you to shift the balance between the front and rear loudspeakers. Positive values move the sound towards the front, negative values towards the rear.

If a recording is too spacious or strong from the surround loudspeakers it can be shifted "forward" to get a better balance. A stereo recording can be shifted "backward" to make the sound more enveloping.

Range: -3 (most rear) to 3 (most front)
Default setting: 0 (neutral)

Select SAVE to save your changes and return to the AUDIO OPTIONS menu.
Select BACK to return to the AUDIO OPTIONS menu without saving changes.
Select EXIT to leave setup (if changes have been made and SAVE has not been selected, you will be prompted to save or not save the changes).

Select SAVE to save your changes and return to the MAIN MENU.
Select BACK to return to the MAIN MENU without saving changes.
Select EXIT to leave setup (if changes have been made and SAVE has not been selected, you will be prompted to save or not save the changes).

**General setup**

**Display Intensity**

Set the brightness of the front panel display.
Options: LOW, MEDIUM, HIGH
Default setting: MEDIUM

**Display Content**

Set what information you want displayed on the unit's front panel when it is in normal operation.
Options: LAST USED (source or volume), (current) SOURCE AND VOLUME, VOLUME, (current) SOURCE
Default setting: SOURCE AND VOLUME

**Display Timeout**

Set the time that new volume or source information is shown for before unit returns to its Display Content (see above).
Range: 1 SEC. to 10 SEC.
Default setting: 4 SEC.

**Selection Timeout**

When the source is changed, this item sets the time the EXOTIK takes before the new source is selected.
Range: 1 SEC. to 10 SEC.
Default setting: 4 SEC.
**SLEEP TIMEOUT**
Set the time elapsed before the front panel display enters sleep mode (i.e. shows three dots) after a key on the front panel or handset is pressed.
Options: NEVER SLEEP, IMMEDIATE, 30 SEC., 5 MINS.
Default setting: NEVER SLEEP

**STARTUP SOURCE**
Set the source the unit selects when brought out of standby.
Options: LAST USED, NONE, (any of the source inputs)
Default setting: LAST USED

**STANDBY RECORD FROM**
You can record from a source component to a recording device through the EXOTIK, even if the EXOTIK is in standby mode.
Set which source configuration you want the EXOTIK to select when it is in standby.
Options: LAST USED, NONE, (any of the source inputs), AS KNEKT*
Default setting: LAST USED

**KNEKT**
If your EXOTIK is installed in a Linn KNEKT multi-room system, select the appropriate setting. If your EXOTIK is not installed in a KNEKT system, select NONE.
Options: NONE, MAIN ROOM, LOCAL ROOM, INTERSEKT
Default setting: NONE

**ACCESSORY SOCKET**
Define the use of the accessory (ACC/RCU) socket on the back panel.
Options: RCU* (KNEKT Room Control Unit), IR (Infrared Repeater)
Default setting: RCU

**PRODUCT IR**
Enable or disable the infrared receiver on the front of the unit.
Options: ENABLE, DISABLE
Default setting: ENABLE

**RS232 Setup**
Accesses the RS232 SETUP sub-menu.
The RS232 Setup sub-menu is for use if the EXOTIK is communicating with other RS232 enabled products (e.g. a third-party controller).

**BAUD RATE**
Set the baud rate to suit the RS232 protocol being used.
Range: 1200 to 230400 (11 settings)
Default setting: 9600

**PARITY**
Set parity to suit the RS232 protocol being used.
Options: EVEN, ODD
Default setting: EVEN

**DATA BITS**
Set the data bits to suit the RS232 protocol being used.
Options: 7, 8
Default setting: 7

**STOP BITS**
Set the stop bits to suit the RS232 protocol being used.
Options: 1, 2
Default setting: 1

*For use with Linn KNEKT systems.
UNIDISK source

The EXOTIK's defaults are set to accept a UNIDISK player as a source (see Using the EXOTIK with a Linn UNIDISK player, page 16). Use these menus if you are using different back panel inputs to the default settings shown below.

ANALOG SOURCE

Options: ANALOG GROUP, NONE

Default setting: ANALOG GROUP

Notes:
If you wish to use an input that is not shown above, enter the Source Setup menu, select the input you require and set TYPE to NONE (see pages 9 and 10). When you return to the UNIDISK Source menu the new input will be available.

If you are not using a UNIDISK player and wish to use any of the inputs shown above, set ANALOG SOURCE and DIGITAL SOURCE* to NONE.

Setting the item(s) to NONE also means that when you are using the SOURCE +/- keys on the front panel to select a source, 'UNIDISK' will not be seen.

Select SAVE to save your changes and return to the MAIN MENU.

Select BACK to return to the MAIN MENU without saving changes.

Select EXIT to leave setup (if changes have been made and SAVE has not been selected, you will be prompted to save or not save the changes).

*EXOTIK+DA
Installer menu

To access the installer menu:

- Hold SETUP on the handset or SELECT on the front panel until INSTALLER MENU is shown on the display (approximately 5 seconds).

SAVE AS INSTALLER

After the EXOTIK has been setup you can save the settings by selecting this item. The saved Installer configuration can be restored at any time should the EXOTIK's setup be changed (see below). Any alterations to the product's setup that you wish to keep as a new Installer configuration can be stored by selecting this item, which will overwrite the existing Installer configuration.

RESTORE INSTALLER

If you have made changes to the setup of the EXOTIK that you do not wish to keep, use this option to restore the Installer configuration.

RESTORE FACTORY

Use this option to restore the default settings for all the setup menus.

SOFTWARE REVISION

This item informs the installer as to the version of the software installed on the EXOTIK.

Select EXIT to leave the Installer menu (if changes have been made you will be prompted to save or not save the changes).
Using the EXOTIK with a Linn UNIDISK player

There are certain operational benefits available when using the EXOTIK with a Linn UNIDISK player. These benefits are as follows:

**Standard EXOTIK**

- You are able to use either your EXOTIK's or UNIDISK player's handset without there being a conflict between the two products.
- You are able to access your UNIDISK player's setup menus via the UNIDISK Setup option in the EXOTIK's Main Menu setup items (i.e. the UNIDISK player's setup menus will appear on the display device it is connected to).

**EXOTIK+DA**

- When a disc is loaded into the UNIDISK player and the UNIDISK is selected as the source on the EXOTIK+DA, the EXOTIK+DA will automatically switch to the required input for the loaded disc.
- The EXOTIK+DA will choose an appropriate surround sound algorithm for the disc's audio stream.
- You are able to use either your EXOTIK+DA's or UNIDISK player's handset without there being a conflict between the two products.
- You are able to access your UNIDISK player's setup menus via the UNIDISK Setup option in the EXOTIK+DA's Main Menu setup items (i.e. the UNIDISK player's setup menus will appear on the display device it is connected to).

If you wish to use a Linn UNIDISK player with your EXOTIK, follow the setup instructions below.

1. Connect-
   - the UNIDISK player's FRONT A or B, SURR, CENTRE and SUB line output connectors to the 5.1 GROUP input on the EXOTIK (requires 6 RCA phono-to-phono leads)
   - the TOSLINK output from the UNIDISK player to the TOSLINK 1 input on the EXOTIK (requires a Toslink lead)*

Note: The above connections are the default inputs for adding a UNIDISK player to an EXOTIK. If you wish to use other inputs on the EXOTIK (e.g. FRONT only, or a SPDIF input*), make note of the inputs you have chosen and change the UNIDISK SOURCE menu settings when you reach point 9 below.

2. Connect the video outputs you wish to use from the UNIDISK player to your display device.
3. Connect the RS232 product-to-product lead (supplied with the EXOTIK) from the EXOTIK's RS232 OUT to the UNIDISK player's RS232 IN.
4. Connect the EXOTIK's REMOTE OUT to the UNIDISK player's REMOTE IN (you will require an RCA phono-to-phono lead).
5. Enter User Options on your UNIDISK player.
   - Set – Front Panel IR Command/Enable IR Commands to IGNOR ED or OFF
   - RS232 Events/Enable RS232 Events to ENABLED or ON
   - Baud Rate to 9600
     (Also, for a UNIDISK SC set Knob Mode to SOURCE.)
6. Exit User Options.
7. Enter the General Setup menu on the EXOTIK.
8. Enter the RS232 Setup sub-menu.
   - Set –
     - Baud Rate to 9600
     - Parity to EVEN
     - Data Bits to 7
     - Stop Bits to 1
     - RS232 Events (either setting)
   - Save settings.
9. If you are not using the default inputs for a UNIDISK player (ANALOG GROUP/TOS 1), enter the UNIDISK SOURCE menu on the EXOTIK and change the ANALOG SOURCE and DIGITAL SOURCE* setting(s) as appropriate (see page 14).
10. Enter the Source Setup menu. Change the source to the input(s) used for the UNIDISK player and adjust the VOLUME OFFSET and SURROUND CHANNELS settings as required.

*EXOTIK+DA
Operation

Standby key
To toggle between standby mode and operation mode:
- Press ⌁ on the front panel or handset.

Selecting a source
To select the source you want to watch or listen to:
Either
- Press the appropriate source type key (DVD, CD, TUNER or AUX) on the handset.
  (For a Linn UNIDISK player, press DVD.)
- Repeatedly press the source key to cycle through available sources of that type.
- When the desired source is shown on the front panel display, press 'enter', or wait and the EXOTIK will select the source automatically.

or
- Repeatedly press the SOURCE +/- keys on the front panel. This will cycle through all available sources.
- When the desired source is shown on the front panel display, press SELECT, or wait and the EXOTIK will select the source automatically.

Adjusting the audio

Volume
To change the volume:
- Repeatedly press or hold VOL -/+ on the front panel or handset.

Balance
To change the balance for all loudspeakers (excluding a centre speaker and/or subwoofer):
- Press AUDIO AJ (adjust) on the handset.

Volume trim
This feature is for use in systems that have more than two loudspeakers.

When listening to multi-channel audio or watching a DVD-Video, you may want to adjust the volume level of your centre, surround, back surround loudspeakers or subwoofer without affecting any of the other loudspeakers. This is done by adjusting volume trim.

To change the volume trim:
- Repeatedly press AUDIO AJ (adjust) on the handset until the desired loudspeaker(s) is/are shown on the front panel display.
- Repeatedly press or hold †/ ‡ on the front panel or handset to increase/decrease the level of volume trim.

Volume trim range is from -10.0 to 10.0 (in 0.5 steps) with neutral trim being 0.

Note:
The loudspeakers shown when AUDIO AJ is repeatedly pressed is dependent on the number of loudspeakers in your system and the currently selected surround sound format.
Lip Sync Delay (EXOTIK+DA)

You may find with certain DVD-Videos that the movement of the actors’ lips and the sound are not synchronized. You can correct this on the EXOTIK+DA using the Lip Sync Delay feature.

To adjust Lip Sync Delay:

- Press LIP SYNC on the handset.
- Press ▲/▼ to increase/decrease the delay of the audio signal until the picture and audio are synchronized.

Lip Sync Delay range is from 0 to 250 milliseconds.

Note:
Lip Sync Delay can only be applied to digital sources and is not available for DTS audio signals.

Surround sound formats

The EXOTIK+DA is equipped with a wide range of surround sound formats to enhance your audio/home cinema experience. The only surround sound format available on the standard EXOTIK is Stereo Sub.

To change the surround sound format:

- Repeatedly press SURR on the handset until the desired format is shown on the front panel display.

The available surround sound formats, and a brief description of each, is as follows:

<table>
<thead>
<tr>
<th>Surround sound format</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dolby Digital</td>
<td>A standard for storing 5.1 channels of audio signal on to discs such as DVD-Videos</td>
</tr>
<tr>
<td>Dolby Digital EX</td>
<td>Spreads the surround speaker portion of a Dolby Digital 5.1 audio signal to two back speakers - converting 5.1 audio to 7.1 audio</td>
</tr>
<tr>
<td>Dolby Pro Logic II</td>
<td>Converts any non-surround sound audio signal into a surround sound 5.0 signal</td>
</tr>
<tr>
<td>Dolby Pro Logic II Music</td>
<td>Same as Dolby Pro Logic II but is particularly suited to music. Features three user-adjustable parameters that are accessed via the setup menus</td>
</tr>
<tr>
<td>DTS Digital Surround</td>
<td>A standard for storing 5.1 channels of audio signal on to discs such as DVD-Videos</td>
</tr>
<tr>
<td>DTS 96/24</td>
<td>Same as DTS Digital Surround but offers better audio quality</td>
</tr>
<tr>
<td>DTS ES Matrix</td>
<td>Spreads the surround speaker portion of a DTS 5.1 audio signal to two back speakers - converting 5.1 audio to 7.1 audio</td>
</tr>
<tr>
<td>DTS ES Discrete</td>
<td>A standard for storing 6.1 channels of audio signal on to discs such as DVD-Videos. On the EXOTIK the extra channel can be spread over two back speakers - converting 6.1 audio to 7.1 audio</td>
</tr>
<tr>
<td>DTS 96/24 ES Matrix</td>
<td>Higher quality of DTS Digital Surround with the addition of the surround sound speaker portion of the signal being spread to two back speakers - converting 5.1 audio to 7.1 audio</td>
</tr>
<tr>
<td>Phantom</td>
<td>Passes the centre channel portion of a 5.1 or 7.1 audio signal to the front left and right speakers</td>
</tr>
<tr>
<td>3 Stereo</td>
<td>Downmixes a 5.1 or 7.1 audio signal and passes it to the front left and right, and centre speakers only</td>
</tr>
</tbody>
</table>
The surround sound formats that are available for the different audio input and signal types, are:

### Analogue audio input

<table>
<thead>
<tr>
<th>Surround sound format</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stereo Sub</td>
<td>Downmixes a 5.1 audio signal to a two-channel signal and then routes the signal to the front left and right speakers and subwoofer</td>
</tr>
<tr>
<td>MPEG Stereo</td>
<td>A standard for storing two-channel audio in MPEG files</td>
</tr>
<tr>
<td>MPEG Surround</td>
<td>A standard for storing surround sound audio in MPEG files</td>
</tr>
<tr>
<td>AAC Stereo</td>
<td>A standard for storing two-channel audio</td>
</tr>
<tr>
<td>AAC Surround</td>
<td>A standard for storing surround sound audio</td>
</tr>
<tr>
<td>LIMBIK Party</td>
<td>A Linn algorithm that sends essentially the same audio signal to all speakers in your system</td>
</tr>
</tbody>
</table>

#### 5.1 speakers in system

<table>
<thead>
<tr>
<th>Signal</th>
<th>2.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analog 5.1</td>
<td>5.1</td>
</tr>
</tbody>
</table>

#### 7.1 speakers in system

<table>
<thead>
<tr>
<th>Signal</th>
<th>2.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analog 5.1</td>
<td>5.1</td>
</tr>
</tbody>
</table>

### Two-channel audio input

<table>
<thead>
<tr>
<th>Signal</th>
<th>Analogue signal</th>
<th>PCM stereo signal</th>
<th>L/0R downmixed signal</th>
<th>L0R downmixed (Pure Stereo) signal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stereo</td>
<td>2.0</td>
<td>2.0</td>
<td>2.0</td>
<td>2.0</td>
</tr>
<tr>
<td>Dolby Pro Logic II</td>
<td>5.0</td>
<td>5.0</td>
<td>5.0</td>
<td>5.0</td>
</tr>
<tr>
<td>Dolby Pro Logic II Music</td>
<td>5.0</td>
<td>5.0</td>
<td>5.0</td>
<td>5.0</td>
</tr>
<tr>
<td>LIMBIK Party</td>
<td>5.0 &amp; 70</td>
<td>5.0 &amp; 70</td>
<td>-</td>
<td>5.0 &amp; 7.0</td>
</tr>
<tr>
<td>Stereo Sub</td>
<td>2.1</td>
<td>2.1</td>
<td>2.1</td>
<td>2.1</td>
</tr>
</tbody>
</table>
## Surround sound audio input

<table>
<thead>
<tr>
<th>Format</th>
<th>Dolby</th>
<th>DTS</th>
<th>MPEG</th>
<th>AAC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stereo</td>
<td>2.0</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Phantom</td>
<td>4.1</td>
<td>4.1</td>
<td>4.1</td>
<td>4.1</td>
</tr>
<tr>
<td>3 Stereo</td>
<td>3.1</td>
<td>3.1</td>
<td>3.1</td>
<td>3.1</td>
</tr>
<tr>
<td>Stereo Sub</td>
<td>2.1</td>
<td>2.1</td>
<td>2.1</td>
<td>2.1</td>
</tr>
<tr>
<td>Dolby Digital</td>
<td>5.1</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Dolby Digital + Dolby Digital EX</td>
<td>7.1</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>DTS Digital Surround</td>
<td>-</td>
<td>5.1</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>DTS 96/24</td>
<td>-</td>
<td>5.1</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>DTS ES Matrix</td>
<td>-</td>
<td>7.1</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>DTS ES Discrete</td>
<td>-</td>
<td>7.1</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>DTS 96/24 ES Matrix</td>
<td>-</td>
<td>7.1</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>MPEG Stereo</td>
<td>-</td>
<td>-</td>
<td>2.0</td>
<td>-</td>
</tr>
<tr>
<td>MPEG Surround</td>
<td>-</td>
<td>-</td>
<td>5.1</td>
<td>-</td>
</tr>
<tr>
<td>AAC Stereo</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>2.0</td>
</tr>
<tr>
<td>AAC Surround</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>5.1</td>
</tr>
<tr>
<td>LIMBIK Party</td>
<td>5.0 &amp; 7.0</td>
<td>5.0 &amp; 7.0</td>
<td>5.0 &amp; 7.0</td>
<td>5.0 &amp; 7.0</td>
</tr>
</tbody>
</table>

**Notes:**
The available surround sound formats are dependent on the type of audio signal being processed.

When cycling through the surround sound formats, the default format for the current audio signal will be marked with asterisks (e.g. *Stereo*) on the front panel display.

## Midnight Movie mode (EXOTIK+DA)

This feature allows you to add compression to the Dolby Digital audio signal on DVD-Videos. Adding compression reduces sudden increases in volume, such as the sound of an explosion.

**To switch Midnight Movie mode on/off:**
- Press and hold SURR on the handset until MIDNIGHT MOVIE MODE ON or OFF is shown on the display.
- Press SURR to toggle between on and off.

When the mode is on MIDNIGHT is shown on the front panel display. The amount of compression can be adjusted using the Midnight Movie item in the Audio setup menu (see Midnight Movie, page 11).

## Restoring the original audio settings

**To reset all the above audio items to their neutral/default settings:**
- Press and hold AUDIO ADJ on the handset until AUDIO SETTINGS RESET is shown on the front panel display.
Record function

The record function allows you to route a source signal to a recording device such as a VCR or DAT recorder.

The record functions available on your EXOTIK are dependent on whether your unit includes, or does not include the digital audio module (if your unit has the digital audio module, EXOTIK+DA is shown on the front panel display when the unit is in standby mode).*

The differences in record functionality between the two variants is shown below:

<table>
<thead>
<tr>
<th>Standard EXOTIK</th>
<th>EXOTIK+DA</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Analogue Record Outputs</strong></td>
<td><strong>Digital Record Outputs</strong></td>
</tr>
<tr>
<td><strong>Analogue source</strong></td>
<td>Any analogue source can be routed to the analogue outputs</td>
</tr>
<tr>
<td><strong>Digital source</strong></td>
<td>Only the digital source currently being listened to can be routed to the analogue outputs</td>
</tr>
</tbody>
</table>

To set a record path:

- Press the (record) key on the handset.
- Use the ▲ / ▼ keys to select the source you want to record, then press ‘enter’.

Notes on the sources:

- **NO SOURCE**: No record path will be set.
- **AS KNEKT**: When a record path on the EXOTIK is being used, this setting will allow users of a KNEKT Line Driver system to change the source they are listening to (which also changes the record path). To protect a record path, select the required record option. Once recording has finished, reselect the AS KNEKT option.

Source inputs set to **NONE** will not be shown.

**Additional step for an EXOTIK+DA:**

- Use the ▲ / ▼ keys to select the record mode you want to use for making the recording, then press ‘enter’.

The available record modes are:

<table>
<thead>
<tr>
<th>Option</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>LTR 44.1 kHz</td>
<td>Choose the option that suits your recording device’s operating frequency. (With these options, multi-channel signals are downmixed to two channels)</td>
</tr>
<tr>
<td>LTR 48 kHz</td>
<td></td>
</tr>
<tr>
<td>LTR 88.2 kHz</td>
<td></td>
</tr>
<tr>
<td>LTR 96 kHz</td>
<td></td>
</tr>
<tr>
<td>LTR As Input</td>
<td>Output frequency is the same as the input frequency, and multi-channel signals are downmixed to two channels</td>
</tr>
<tr>
<td>Bit Perfect</td>
<td>Output frequency is the same as the input frequency and there is no processing of the signal</td>
</tr>
<tr>
<td>Analog*</td>
<td>Passes audio signals to the analogue outputs</td>
</tr>
</tbody>
</table>

*Analog is the only record mode available on the standard EXOTIK.

Notes:

- The source audio signal is routed to either all of the analogue and/or all of the digital outputs simultaneously. It is not necessary to specify which output you are using.

- The available record modes are dependent on whether the input signal is analogue or digital.

- For reasons of copyright defence some audio and video discs incorporate protection systems that prevent them from being recorded.

*The digital audio module is available as an upgrade to the standard EXOTIK.
Technical Specification

**Electrical**

- Mains voltage: 100-230 Vac @ 50-60 Hz

**Physical**

- Weight: 3.5 kg, 7 lb 10 oz
- Dimensions: 381 (W) x 368 (D) x 80 (H) mm, 15” (W) x 14” (D) x 3” (H)

**Signal Interfaces - Inputs**

<table>
<thead>
<tr>
<th>Type</th>
<th>Connector</th>
<th>Level</th>
<th>Impedance</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Digital electrical (SPDIF)*</td>
<td>3 x RCA</td>
<td>500 mVp-p</td>
<td>75 Ω</td>
<td>-</td>
</tr>
<tr>
<td>Digital optical*</td>
<td>3 x TOSLINK</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Unbalanced</td>
<td>12 x RCA</td>
<td>2 Vrms</td>
<td>10k Ω</td>
<td>Analogue</td>
</tr>
</tbody>
</table>

**Signal Interfaces - Outputs**

<table>
<thead>
<tr>
<th>Type</th>
<th>Connector</th>
<th>Level</th>
<th>Impedance</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Digital electrical (SPDIF)*</td>
<td>1 x RCA</td>
<td>500 mVp-p</td>
<td>75 Ω</td>
<td>-</td>
</tr>
<tr>
<td>Digital optical*</td>
<td>1 x TOSLINK</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Unbalanced</td>
<td>8 x RCA</td>
<td>2 Vrms</td>
<td>330 Ω</td>
<td>Surround outputs</td>
</tr>
<tr>
<td>Unbalanced</td>
<td>2 x RCA</td>
<td>2 Vrms</td>
<td>330 Ω</td>
<td>Record outputs</td>
</tr>
</tbody>
</table>

**Control Interfaces**

<table>
<thead>
<tr>
<th>Type</th>
<th>Port Name</th>
<th>Pin Connections</th>
</tr>
</thead>
<tbody>
<tr>
<td>RS232</td>
<td>In</td>
<td>Rx = 3, Tx = 2, 0v = 5</td>
</tr>
<tr>
<td>RS232</td>
<td>Out</td>
<td>Rx = 5, Tx = 4, 0v = 2</td>
</tr>
</tbody>
</table>

*EXOTIK+DA
Guarantee and Service

This product is guaranteed under the conditions that apply in the country of purchase and your statutory rights are not limited. In addition to any statutory rights you may have, Linn undertake to replace any parts that have failed due to faulty manufacture. To help us, please ask your Linn retailer about the Linn warranty scheme in operation in your country.

In parts of Europe, the United States of America and some other markets, extended warranty may be available to customers who register their purchase with Linn. A warranty registration card is included with the product and should be stamped by your retailer and returned to Linn as soon as possible. Alternatively, register your warranty online at www.linn.co.uk

Warning

Unauthorised servicing or dismantling of the product invalidates the manufacturer’s warranty. There are no user serviceable parts inside the product and all enquiries relating to product servicing should be referred to authorised retailers only.

Technical support and information

For technical support, product queries and information, please contact either your local retailer or one of the Linn offices opposite.

Full details of your local retailer/distributor can be found on the Linn website: www.linn.co.uk

Important

- Please keep a copy of the sales receipt to establish the purchase date of the product.
- Please ensure that your equipment is insured by you during any transit or shipment for repair.