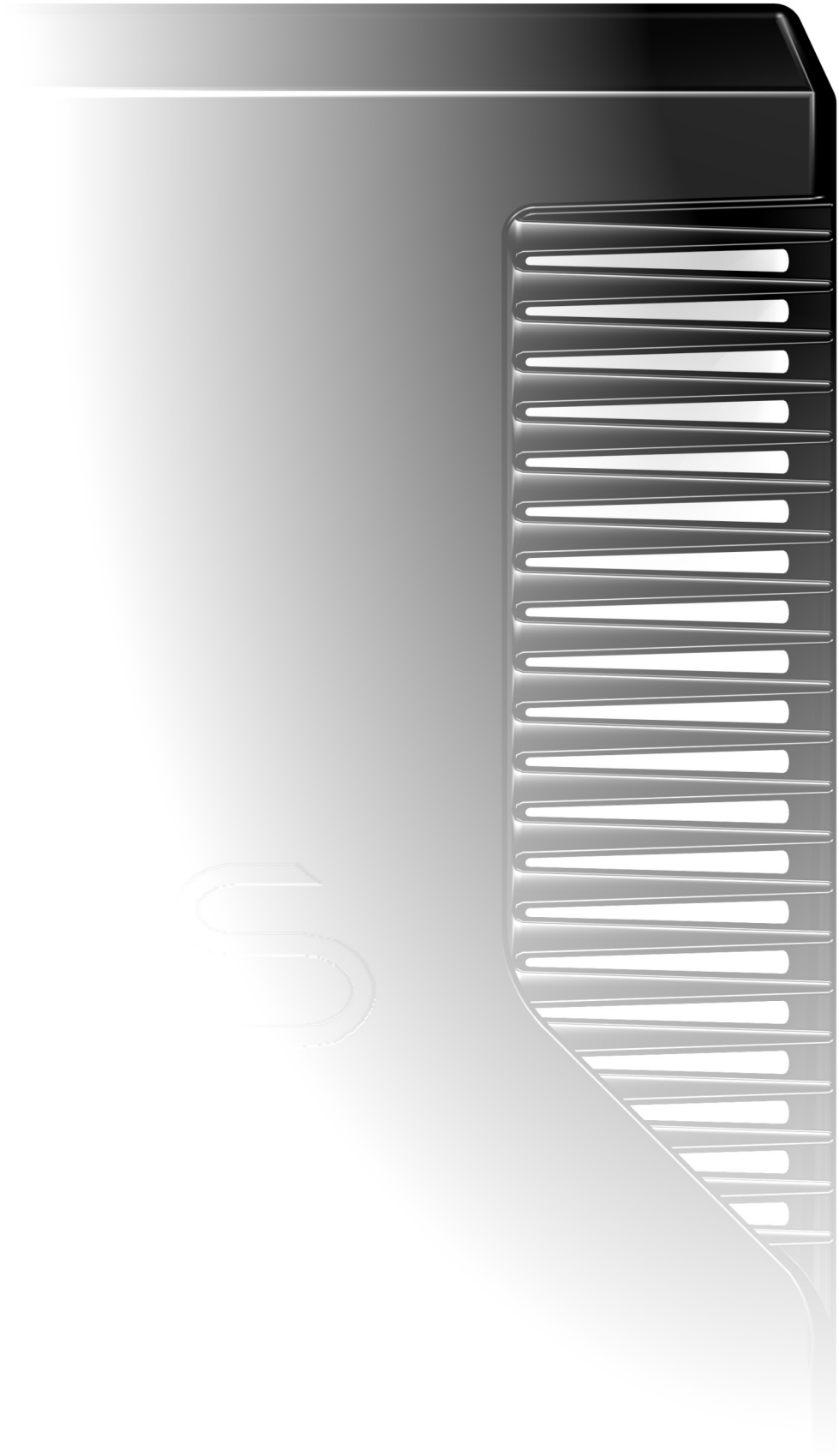


CYRUS



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**IMPORTANT! READ BEFORE OPERATING THIS EQUIPMENT!**

**CAUTION:** The exclamation mark is to draw your attention to important instructions and safety procedures in this manual.



**ATTENTION:** The lightning flash warns you of the risk of electrical shock presented by components inside this product. Unauthorised personnel must not open this unit.



**WARNING:** To reduce the risk of electrical shock do not remove any unit covers or panels. There are no user serviceable parts in this product.

**WARNING:** To reduce the risk of electric shock, do not expose this equipment to rain or moisture.

**HEED WARNINGS:** All warnings on the product and in the operating instructions should be adhered to.

**READ ALL THE INSTRUCTIONS:** All the safety and operating instructions should be read before the product is operated.

**RETAIN INSTRUCTIONS:** The safety and operating instructions should be retained for future reference.

**FOLLOW INSTRUCTIONS:** All operating and use instructions should be followed.

**CLEANING:** Unplug this product from the mains before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.

**WATER AND MOISTURE:** Do not use this product near water - 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. The product must not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the product.

**HEAT:** The product should be situated away from heat sources such as radiators, stoves, or any other products (including amplifiers) that produce heat.

**VENTILATION:** Slots and openings in the cabinet are provided for ventilation, to ensure reliable operation of the product and to protect it from overheating and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug or similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.

**OBJECT OR LIQUID ENTRY:** Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock.

**ACCESSORIES:** Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.

**ATTACHMENTS:** Do not use attachments not recommended by the product manufacturer as they may cause hazards.

**MOVING THE PRODUCT:** A product and cart combination should be moved with care. Sudden stops, excessive force, and uneven surfaces may cause the product and cart to overturn.



**POWER SOURCES:** This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.

**OVERLOADING:** Never overload wall outlets, extension cords, or integral convenience receptacles. This can result in an increased risk of fire or electric shock.

**POWER CORD PROTECTION:** Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.

**NAKED FLAMES:** No naked flame sources, such as candles, must be placed on this product.

**LIGHTNING:** For added protection for this product during a lightning storm, or when it is left unattended or unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.

**BATTERIES:** Warning : Batteries shall not be exposed to excessive heat such as sunshine, fire or the like.

**CAUTION! POLARISED CONNECTOR (CANADA and USA):**

To prevent electrical shock, match wide blade of plug to wide slot, fully insert. Do not alter or remove this plug if it does not fit your mains power socket. Have a suitable socket installed by a competent electrician.

**ACCESS TO THE MAINS PLUG:** The means to disconnect this product from the mains supply is the mains plug. Ensure that the mains plug is accessible at all times.

**WARNING:** This appliance must be earthed.

### **Power supply**

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Connect the moulded IEC connector of the AC cord supplied plugs into the power inlet ① on the rear of the unit.

The mains supply requirement of your amplifier is marked on a label on the rear panel. Before connecting, check that this voltage is the same as your mains supply.

230V Products: Voltage Range 220V-230V

115V Products: Voltage Range 110V-120V

If you move to an area with a different mains voltage, contact your local Cyrus distributor to have your product converted.

There are no user replaceable fuses in this unit.

### **Servicing**

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Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

**CONDITIONS REQUIRING SERVICE:** Unplug this product from the wall outlet and refer servicing to qualified service personnel when:

- When the power supply cord or plug is damaged.
- If liquid has been spilled, or objects have fallen into the product.
- If the product has been exposed to rain or water.
- If the product has been dropped or damaged in any way.
- If the product does not operate normally by following the operating instructions. (Adjust only those controls that are covered by the operating instructions. Improper adjustment of other controls may result in damage requiring extensive work by a qualified technician to restore the product to its normal operation).
- When the product exhibits a distinct change in performance.

**REPLACEMENT PARTS:** When replacement parts are required, be sure the service technician has used replacements specified by the manufacturer or have the same characteristics as the original part. Unauthorised substitutions may result in fire, electric shock, or other hazards.

**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.

### **Product service centres**

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For product service or technical advice, contact only authorised Cyrus service centres. Contact details for Cyrus distributors may be found on the Cyrus website at [www.cyrusaudio.com](http://www.cyrusaudio.com).

**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 and 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.

Any changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

\*115V products

## WELCOME TO THE WORLD OF CYRUS!

Congratulations on your choice of Cyrus Hi-fi products. Our state-of-the-art design technology and outstanding quality of manufacture has won countless awards around the world. We are confident that you will derive great pleasure from owning a product from one of the most recognised and respected manufacturers of hi-fi equipment.

Now is a good time to register your new Cyrus product. Registration takes only a few minutes, brings the added benefit of a full two year factory warranty and adds you to our mailing list for future product updates and upgrades. To register, visit [www.cyrusaudio.com](http://www.cyrusaudio.com) and click the 'Login/Register' link.

Please read these instructions carefully before commencing installation. They provide full guidance to help you install your amplifier safely and correctly.

## Introduction

The Cyrus **Phono Signature** is a high quality phono preamplifier for vinyl turntables featuring -

- Switchable inputs for 4 x turntables.
- Each input configurable to match either moving coil or moving magnet cartridges.
- Front panel adjustment of gain, resistance and capacitance loading for each input configured for moving coil use.
- Choice of balanced or unbalanced audio outputs.
- Warp filter to reduce bass unit excursion on warped records.
- Interactive display with peak hold bargraph to assist in setting moving coil gain.
- Remote control of all features from the Cyrus iR14.
- MC-BUS connection for system integration with other Cyrus components.

## Preparations for installation

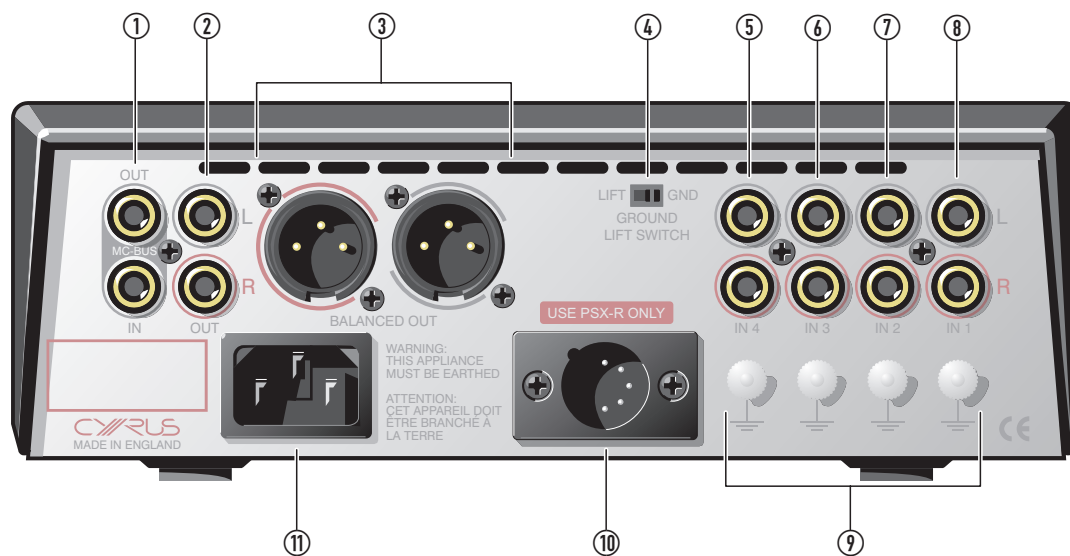
Before installing your Cyrus preamplifier check that the following items are included in the accessory box.

- Power Cable
- Remote Handset
- 2 cables for MC-BUS connection

After removing these items, please retain the packaging.

Install the preamplifier in a well ventilated location away from sources of high temperature, dust or humidity. Never stand the preamplifier under another unit or on any surface likely to obstruct its cooling or ventilation.

## INSTALLATION



### Key to the rear panel drawing

- |                            |                      |
|----------------------------|----------------------|
| 1. MC-BUS System           | 7. Input 2           |
| 2. Unbalanced phono output | 8. Input 1           |
| 3. Balanced XLR output     | 9. Ground terminals  |
| 4. Ground lift switch      | 10. PSX-R connection |
| 5. Input 4                 | 11. Power inlet      |
| 6. Input 3                 |                      |

## Important – read before making any audio connections

To avoid possible damage to your preamplifier, it is essential to disconnect all system components from the mains supply before connecting or disconnecting audio interconnects.

## Connecting Turntables

Turntables may be connected to any of the four available inputs ⑤ - ⑧ as each input is separately programmable for use with moving coil or moving magnet cartridges.

- Connect the left and right plugs from the turntable audio cable to the left (white) and right (red) connectors of the input you are using.
- Connect the ground wire from the turntable to the corresponding ground terminal.

## Setting the ground lift switch

The chassis of the **Phono Signature** is connected to mains ground. The Ground Lift switch ④ enables the circuit of the **Phono Signature** to be linked to mains ground or isolated. The setting of this will be system dependent.

The factory setting for the switch is to the 'LIFT' position. If any hum or buzz noises are apparent when playing a turntable, setting the switch to the 'GND' (grounded) position may cure the problem.

If hum or noise problems persist when playing a turntable and the switch setting does not cure the problem, contact your retailer to check the ground connection arrangements on your turntable and other system components.

## Connecting the output

There is a choice of balanced (XLR) or unbalanced (phono) outputs to connect to your system preamplifier/amplifier.

NOTE: The **Phono Signature** does not include a volume control so it is not suitable for direct connection to a power amplifier. It must be connected to an amplifier that includes a volume control.

### Connecting balanced XLR outputs

The XLR outputs ③ are compatible with balanced audio inputs on a preamplifier.

- Connect left and right XLR cables between the left and right XLR outputs of the **Phono Signature** and the corresponding inputs of the preamplifier.

### Connecting unbalanced phono outputs

The phono outputs ② are compatible with unbalanced audio inputs on a preamplifier.

- Connect a dual phono cable between the left and right phono outputs of the **Phono Signature** and the corresponding inputs of the preamplifier.

## MC-BUS system connection (Optional)

By using the MC-BUS connection ① on your **Phono Signature**, a highly functional integrated system with full remote control may be set up. This feature is usable if you own a Cyrus amplifier. Refer to the relevant product handbook for MC-BUS wiring instructions.

## External power supply - PSX-R/PSX-R<sub>2</sub>

The **PSX-R** is a unique DC power supply that will upgrade the sonic performance of compatible products in the Cyrus range. The **PSX-R<sub>2</sub>** is a performance upgraded version of the **PSX-R**. Both of these power supplies are compatible for connection to the **Phono Signature**.

The following text refers to the use of the **PSX-R**, but applies also to the **PSX-R<sub>2</sub>**.

To connect a **PSX-R**, disconnect both components from the mains, then plug the connector on the umbilical cord of the **PSX-R** into the Multi-Pole socket on the back panel. You will need a mains supply for both units.

NOTE: Connection of a **PSX-R** is detected automatically, so no internal adjustments are required.

### How it works

When a **PSX-R** is connected to a Cyrus product, the power feeds to the internal circuitry are split two ways with the clean, stable power source of the **PSX-R** feeding sensitive circuit sections while other requirements are supplied internally. This ensures complete isolation of control circuits and sensitive analogue sections, reducing AC mains-borne noise and power supply ripple.

## Connecting to the AC mains supply

Connect the socket on the AC Power cable to the Power inlet ⑩ on the rear panel of the amplifier. Now connect the cable to a suitable AC power point.

NOTE: The means to disconnect this product from the mains supply is the mains plug. Ensure that the mains plug is accessible at all times.



## OPERATION



### Key to the front panel drawing

- |                   |                            |
|-------------------|----------------------------|
| 1. Standby switch | 7. MC Capacitance load key |
| 2. Standby light  | 8. MC Resistance load key  |
| 3. Remote eye     | 9. MC Gain key             |
| 4. Display window | 10. MM/MC Select key       |
| 5. Rotary control | 11. Warp filter key        |
| 6. Store key      | 12. Input select key       |

### Key operation

With the exception of the WARP key, the Phono Signature keys are operated in two stages to avoid accidental key operation. This could cause noise by selecting unterminated inputs etc.

The key operation sequence is -

- Press a key to select input, loading etc.
- Turn the Rotary Control to step through the options.
- Press the Rotary Control to select the displayed option.

## Power

When power is applied, the STANDBY key ① is used for power control. The Standby indicator ② shows green when the amplifier is operating and glows red when in standby mode.

In regular use the preamplifier should be connected permanently to the mains power supply. When left unattended for a long period (holidays etc) it should be disconnected from the AC supply.

## Selecting an Input

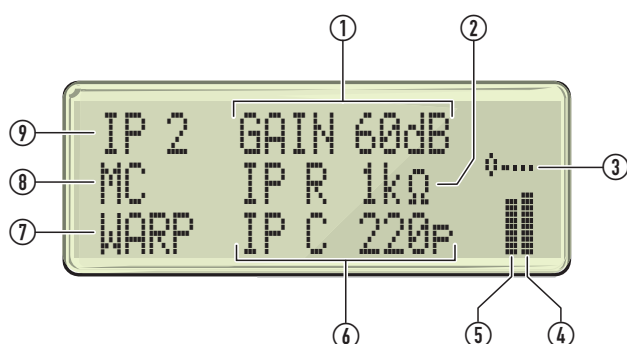
- Press the INPUT key ⑫.  
*The current input number will be displayed.*
- Turn the ROTARY CONTROL ⑤ to change to another input.
- Press the ROTARY CONTROL ⑤ to select the input.  
*After a short delay, the input will be selected.*

## Settings display

The display will indicate the input number selected and whether the input is set for MM or MC operation.

The display will also indicate the gain setting in dB, the input resistive load setting (IP R) and the input capacitive load setting (IP C).

The bargraph display shows a graphic indication of the left and right channel levels. This can assist with setting MC gain.



1. Gain display (MC only)
2. Bargraph limit mark
3. Input resistive load (MC Only)
4. Right channel bargraph
5. Left channel bargraph
6. Input capacitive load (MC Only)
7. Warp filter indicator
8. MM/MC indicator
9. Input indicator

## MM/MC cartridge type selection

Each input can be set to be compatible with either Moving Magnet or Moving Coil cartridges.

To change between MM and MC for the selected input -

- Press the MM/MC key ⑩.
- Turn the ROTARY CONTROL ⑤ to switch between Moving Magnet and Moving Coil settings.
- Press the ROTARY CONTROL ⑤ to select a new setting.

*After a short delay, the cartridge type will change and the selection will be saved for this input.*

## MM/MC indicator

The MM/MC indicator will light yellow when an input is set to Moving Magnet and green when set to Moving Coil.

When an input is selected or a setting is changed the indicator will change to red briefly to indicate that the sound is muted.

## Cartridge matching

### Moving coil cartridges

If you have connected a moving coil cartridge to one or more of the inputs, you should now refer to the 'Configuring MC Inputs' section on the next page to configure those input(s).

### Moving magnet cartridges

For inputs set for moving magnet cartridges, the gain, resistive load and capacitive load settings are pre-optimised to standard values that best match this type of cartridge. The GAIN, RES (resistance load), and CAP (capacitance load) keys are therefore disabled and the indicators will not light.

## Warp filter

The warp filter will assist in removing very low frequency information caused by warps in the vinyl. In a high quality record playing system these large amplitude signals may overload a preamplifier or cause large bass unit excursions for the loudspeakers.

- Press the WARP key ⑪ to switch in the warp filter.  
*The WARP indicator will light and 'FLTR' will be displayed.*  
*Low frequency signals caused by warps will be reduced.*
- Press again to cancel the warp filter.

## Configuring MC inputs

When an input is configured to play a Moving Coil cartridge, the gain, resistive load and capacitive load settings may be individually set to best match the requirements of different pickup cartridges.

### Checking the current settings

The settings displayed apply to the input that is currently selected.

### Manufacturer's specification

Some cartridge manufacturers will provide output voltage and optimum loading specifications for their cartridge. If these specifications are available, this is the best starting point for input configuration. A typical cartridge specification may read -

Output voltage ..... 150µV

Load resistance..... >50Ω

Load capacitance..... Not specified

These specifications can be used to choose initial settings for gain and load.

Gain can be manually set from the table in the next section, load resistance should be set to a value above the manufacturer's recommended minimum and load capacitance should be set to the closest value or to the minimum 220pF when not specified.

### If no specification is available

If no manufacturer's data is available for the cartridge, start with the default settings for resistance and capacitance loading and an initial setting of 40dB for gain.

The gain setting can then be determined using the bargraph.

## Setting MC gain

### Manual gain setting

The gain settings for the **Phono Signature** can be matched to a cartridge output voltage range as shown in the following table.

Gain	Cartridge output voltage range
40dB	2mV or more
50dB	600µV - 2mV
60dB	250µV - 600µV
70dB	less than 250µV

The factory setting is 40dB to reduce the possibility of input overload. The gain can be increased if required for a lower output cartridge.

In the 'Manufacturer's recommendation' example above, the 70dB gain setting would best match the cartridge.

To change the gain setting -

- Press the GAIN key ⑨.
- Turn the ROTARY CONTROL ⑤ to step through the options available.
- Press the ROTARY CONTROL ⑤ to select a new setting.  
*The GAIN indicator will change colour from green to yellow. This indicates that the setting has changed from the value previously stored.*
- If you prefer this setting and want to save it for the selected input, refer to the 'Saving changes to settings' section.

### Setting gain using the bargraph

The display bargraph can also be used to optimise the gain setting for a moving coil cartridge. The limit mark on the bargraph corresponds to an output level equivalent to a CD player which should ensure compatibility with most preamplifiers. Levels exceeding this may cause some preamplifiers to overload.

- Play a record that includes loud passages of music.  
*The bargraph will show the level of the music as it plays. Music peaks will hold briefly.*

Experiment with different gain settings to achieve a bargraph display that has the largest amplitude without exceeding the limit mark.

NOTE: If you hear any distortion when playing loud passages of music, check that the signal level displayed on the bargraph is not exceeding the limit line and reduce the gain setting if necessary.

## Setting MC cartridge loading

### Resistive load setting

In the 'Manufacturer's recommendation' example, the 50 $\Omega$  setting would best match the cartridge shown.

The factory setting is 1k $\Omega$ . To change the resistive load setting -

- Press the RES key ⑧.
- Turn the ROTARY CONTROL ⑤ to step through the options available.  
*Choose from 11 $\Omega$ , 16 $\Omega$ , 33 $\Omega$ , 47 $\Omega$ , 100 $\Omega$ , 150 $\Omega$ , 333 $\Omega$ , 500 $\Omega$ , 1k $\Omega$ , 47k $\Omega$ ,*
- Press the ROTARY CONTROL ⑤ to select a new setting.  
*The RES indicator will change colour from green to yellow. This indicates that the setting has changed from the value previously stored.*
- If you prefer this setting and want to save it for the selected input, refer to the 'Saving changes to settings' section.

### Capacitive load setting

In the 'Manufacturer's recommendation' example above, the lowest 220pF setting would best match the cartridge shown.

The factory setting is 220pF. To change the capacitive load setting -

- Press the CAP key ⑦.
- Turn the ROTARY CONTROL ⑤ to step through the options available.  
*Choose from 220pF, 1nF, 2nF, 3nF.*
- Press the ROTARY CONTROL ⑤ to select a new setting.  
*The CAP indicator will change colour from green to yellow. This indicates that the setting has changed from the value previously stored.*
- If you prefer this setting and want to save it for the selected input, refer to the 'Saving changes to settings' section.

### Fine tuning cartridge load settings

Changing cartridge load settings will not damage a cartridge and you may find a combination of settings that you prefer by changing the settings while listening.

The effects of changing load resistance and capacitance will be quite subtle, though setting load resistance to the lower values will also reduce the output level from the cartridge. The gain may be increased to compensate if necessary.

Increasing the load resistance may also provide a subtle tonal correction to benefit older records that have been played very regularly.

## Saving changes to gain or loading settings

### Saving new settings

- If you have made changes to settings for an input (one or more of the GAIN, RES or CAP indicators will be yellow) and want to save them, press the STORE button ⑥.  
*Changes in settings will be saved and the GAIN, RES and CAP indicators will change to green.*

### Reverting to previous settings

- If you make changes to settings, but do not press the STORE key, these temporary settings will be retained if you set to Standby, but will be lost if you disconnect mains power.

**REMOTE CONTROL OPERATION**

**Remote control introduction**

The iR14 remote control will send commands to Cyrus amplifiers, CD players, Audio streamers\* and the Phono Signature.

The remote control can also be programmed with the commands from two other remote control handsets. These will normally be for your TV and a Satellite or terrestrial TV set-top box, programmed to the TV and SAT buttons, but could also be other audio components such as a Cyrus tuner or DVD player etc.

\*NOTE: It may be necessary to upgrade the firmware in an Audio streamer to enable Infra-red remote control operation.

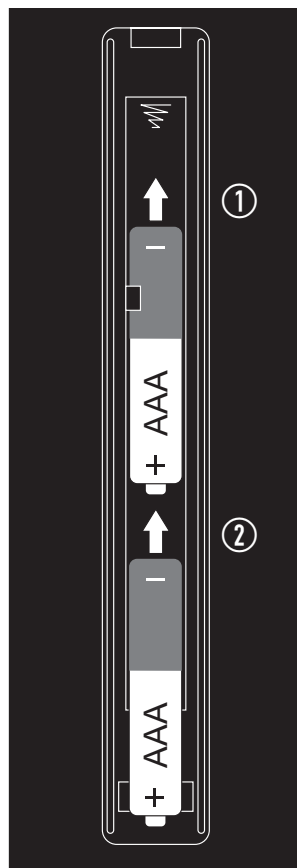
**Remote control backlight**

The remote control keypad includes a back-light. The back-light will switch on automatically when moved or when a command is sent.

**Fitting batteries to the remote control**

The battery compartment is on the back of the remote control.

1. Press the catch on the battery cover and lift off the cover.
2. Slide a AAA battery under the retaining hook in the upper half of the battery compartment as shown.
3. Fit a second AAA battery into the remaining space.
4. Replace the battery cover.

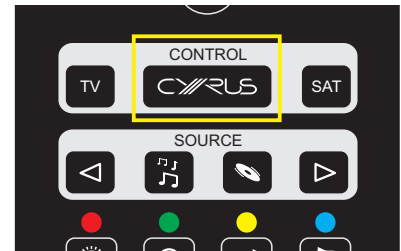


Replace the handset batteries only with AAA batteries of the same voltage and type.

Discard used batteries in accordance with recycling regulations in force in your area.

**Sending commands to Cyrus components**

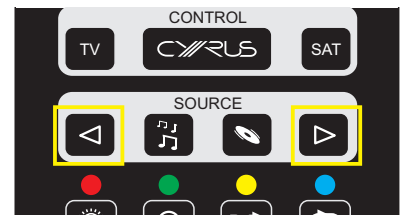
- Press the CYRUS key to set the remote control to Cyrus mode to control the Phono Signature and an amplifier.



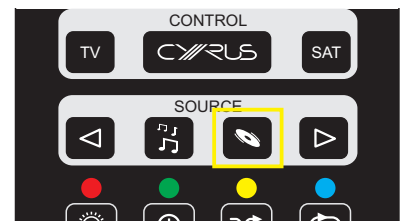
**Switching on Cyrus components**

Press one of the keys in the SOURCE group.

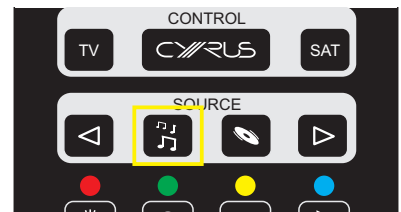
- Press ◀ or ▶ to switch on and send commands to a Cyrus amplifier and a Phono Signature.



- Press the CD key to switch on a Cyrus CD player and send commands to a Cyrus CD player and amplifier.



- Press the Music key to switch on a Cyrus Audio streamer and send commands to a Cyrus Audio streamer and amplifier.



NOTE: If amplifier inputs have been named CD and/or Stream X, the correct amplifier input will also be selected.

**Cyrus Phono Signature commands**

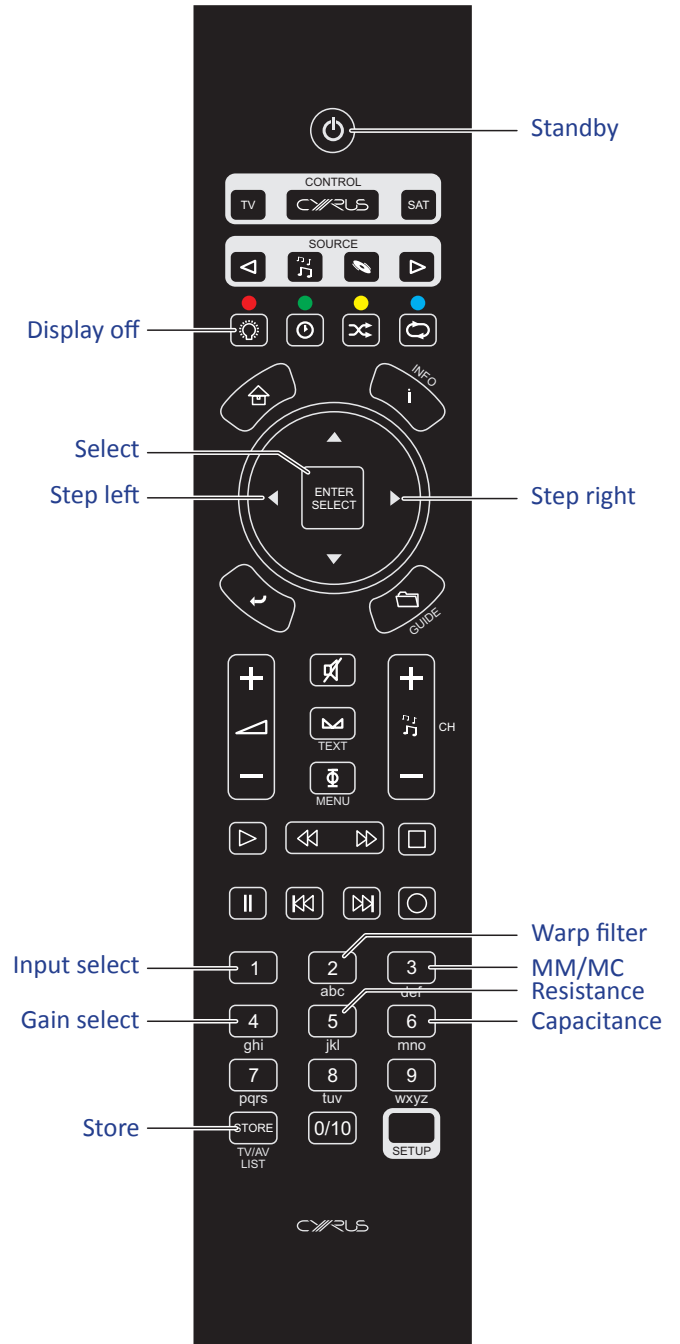
Commands are sent to the Phono Signature via keys reserved from the amplifier control system.

The remote control operates in the same way as the front panel controls - press a key to select a function, change that setting with the CURSOR keys, confirm the setting with ENTER/SELECT.

This page lists commands that will control the Phono Signature.

- Press the CYRUS key to set the remote control to Cyrus mode.

You can now control both a Cyrus amplifier and the Phono Signature. The CYRUS key will flash red when commands are being sent in this mode.



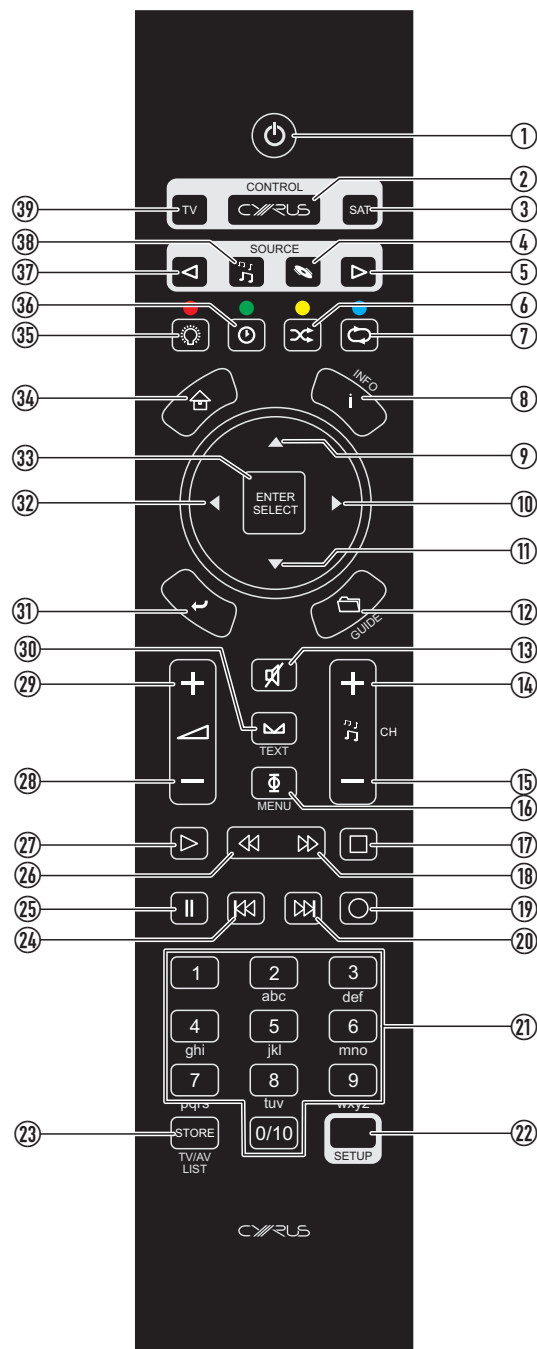
**Cyrus amplifier commands**

- Press the CYRUS key to set the remote control to Cyrus mode.

You can now control the Cyrus amplifier. The CYRUS key will flash red when commands are being sent in Amplifier mode.


The Amplifier mode commands available are listed below –


1. Set Cyrus amplifiers, CD players and Audio streamers to Standby.
2. Set the handset to send commands to Cyrus components.
3. Send commands to a Satellite receiver (or other device programmed to use this key).
4. Set the handset to send commands to an amplifier and CD player.
5. Step to the next amplifier input.
6. No command for an amplifier.
7. No command for an amplifier.
8. No command for an amplifier.
9. No command for an amplifier.
10. No command for an amplifier.
11. No command for an amplifier.
12. No command for an amplifier.
13. Amplifier mute.
14. No command for an amplifier.
15. No command for an amplifier.
16. No command for an amplifier.
17. No command for an amplifier.
18. No command for an amplifier.
19. No command for an amplifier.
20. No command for an amplifier.
21. No command for an amplifier.
22. Setup key for programming TV/SAT keys.
23. No command for an amplifier.
24. No command for an amplifier.
25. No command for an amplifier.
26. No command for an amplifier.
27. No command for an amplifier.
28. Volume down.
29. Volume up.
30. Balance.
31. No command for an amplifier.
32. No command for an amplifier.
33. No command for an amplifier.
34. No command for an amplifier.
35. Display off.
36. No command for an amplifier.
37. Step to the previous input.



38. Set the handset to send commands to an amplifier and Audio streamer.
39. Send commands to a TV (or other device programmed to use this key).

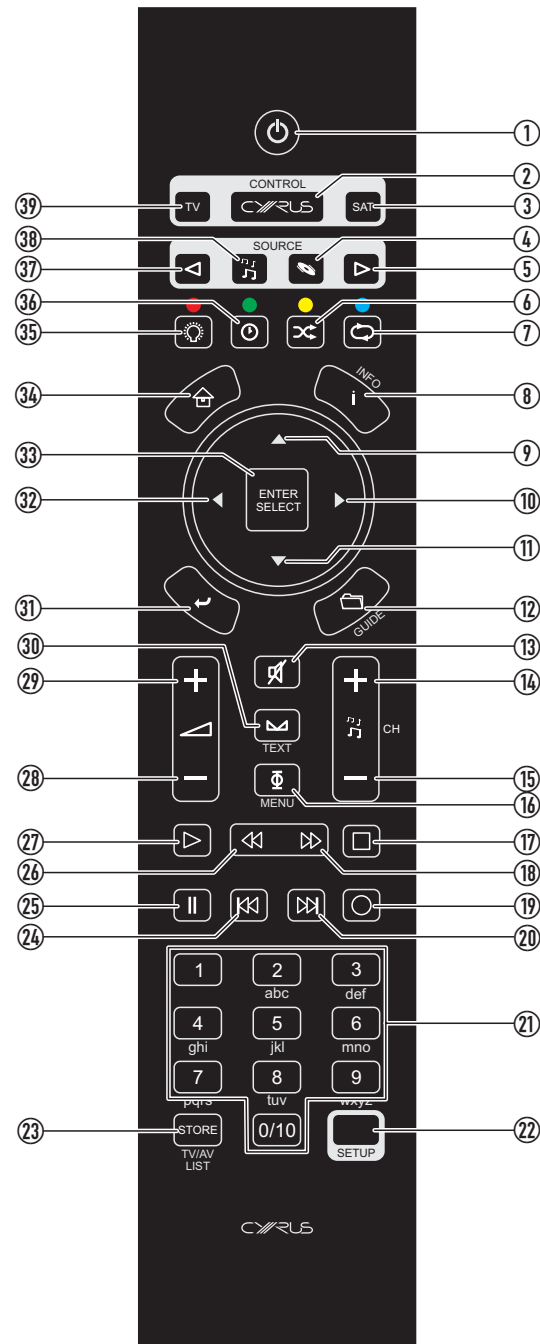
**Cyrus CD player commands**

- Press the CYRUS key
- Press the  key to set the remote control to CD mode.

The key will light red. You can now control both a Cyrus CD player and amplifier. The  key will flash red when commands are being sent in CD mode.

The CD mode commands available are listed below –


1. Set Cyrus amplifiers, CD players and Audio streamers to Standby.
2. Set the handset to send commands to an amplifier.
3. Send commands to a Satellite receiver (or other device programmed to use this key).
4. Set the handset to send commands to an amplifier and CD player.
5. Step to the next amplifier input.
6. No command for a CD player.
7. CD player repeat.
8. No command for a CD player.
9. CD player next track.
10. CD player search forwards.
11. CD player previous track.
12. No command for a CD player.
13. Amplifier mute.
14. No command for a CD player.
15. No command for a CD player.
16. CD player audio phase. Changes in phase are subtle and are best established from the listening position. When the phase setting is changed, the display text area will show the message ‘Phase Normal’ or ‘Phase Invert’. The performance of the CD player is unaffected whether the signal is in normal or phase inverted mode.
17. CD player stop.
18. CD player search forwards.
19. No command for a CD player.
20. CD player next track.
21. CD player numeric keypad. Enter a one or two digit track number to jump to a specific track.
22. Setup key for programming TV/SAT keys.
23. CD player memory store.
24. CD player previous track.
25. CD player pause.
26. CD player search back.
27. CD player play/pause.
28. Amplifier volume down.
29. Amplifier volume up.
30. Amplifier balance.
31. No command for a CD player.
32. CD player search back.
33. No command for an CD player.
34. No command for a CD player.




35. CD player display off.
36. CD player display mode. Choose track elapsed time or disc remaining time.
37. Step to the previous amplifier input.
38. Set the handset to send commands to an amplifier and Audio streamer.
39. Send commands to a TV (or other device programmed to use this key).



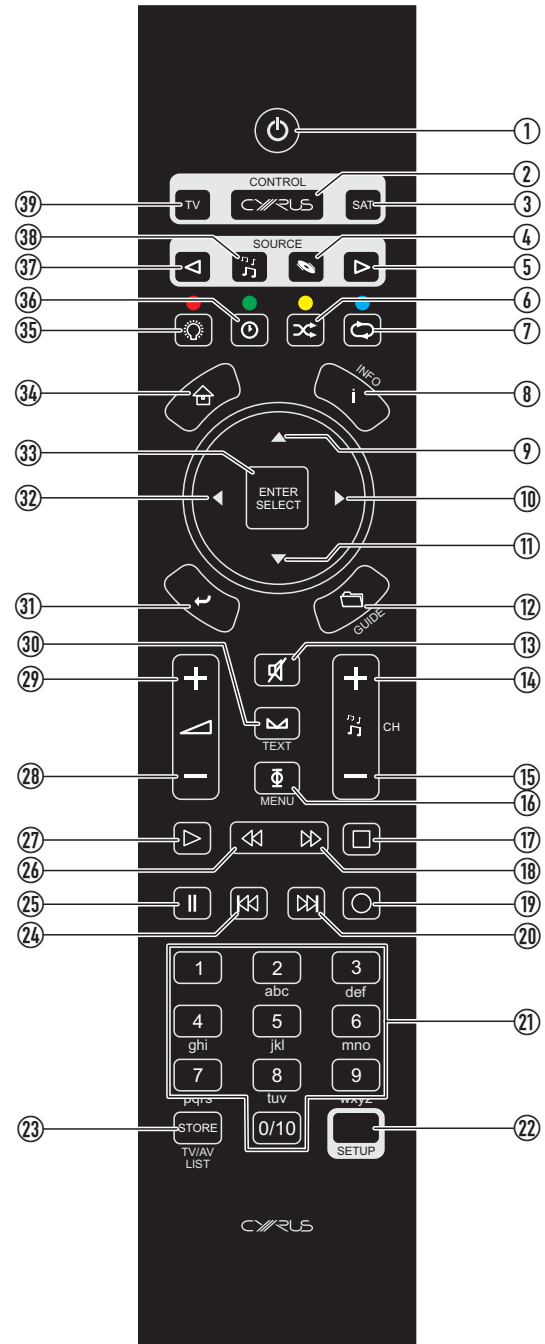
**Cyrus Audio streamer commands**

- Press the CYRUS key
- Press the  key to set the remote control to Audio streamer mode.

The key will light red. You can now control both a Cyrus Audio streamer and amplifier or an Audio streamer that includes an amplifier. The  key will flash red when commands are being sent in Audio streamer mode.

The Audio streamer mode commands available are listed below –

1. Set Cyrus amplifiers, CD players and Audio streamers to Standby.
2. Set the handset to send commands to a Cyrus amplifier.
3. Send commands to a Satellite receiver (or other device programmed to use this key).
4. Select an input named CD and set the handset to send commands to an amplifier and CD player.
5. Step to the next amplifier input.
6. No command for an audio streamer.
7. Audio streamer repeat.
8. Audio streamer display information.
9. Audio streamer cursor up.
10. Audio streamer cursor right.
11. Audio streamer cursor down.
12. No command for an audio streamer.
13. Amplifier mute.
14. No command for an audio streamer.
15. No command for an audio streamer.
16. No command for an audio streamer.
17. Audio streamer stop.
18. No command for an audio streamer.
19. No command for an Audio streamer.
20. Audio streamer next track.
21. Audio streamer alpha-numeric keypad.
22. Setup key for programming TV/SAT keys.
23. No command for an Audio streamer.
24. Audio streamer previous track.
25. Audio streamer pause.
26. No command for an audio streamer.
27. Audio streamer play/pause.
28. Amplifier volume down.
29. Amplifier volume up.
30. Amplifier balance.
31. Audio streamer back.
32. Audio streamer cursor left.
33. Audio streamer select.
34. Audio streamer home.
35. Audio streamer display off.
36. No command for an Audio streamer.
37. Step to the previous amplifier input.



38. Set the handset to send commands to an amplifier and Audio streamer.
39. Send commands to a TV (or other device programmed to use this key).

**Learning TV and Satellite commands**

In addition to controlling Cyrus components, the remote control can learn the commands from two other remote control handsets. These will normally be a TV and a Satellite or terrestrial TV set-top box, programmed to the TV and SAT buttons, but could also be other audio components including a Cyrus tuner or DVD player etc.

All keys may be programmed with the exception of the groups marked CONTROL and SOURCE and the SETUP key.

**Preparation for learning**

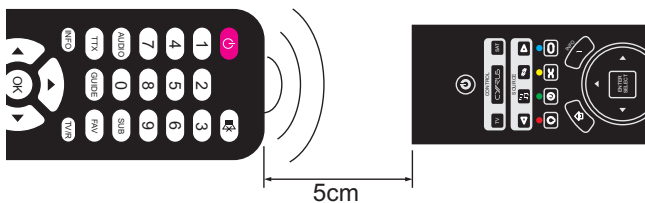
Check the following points before attempting to learn any commands -

- Check that both remote controls have fresh batteries.
- Choose a location on a tabletop that is not brightly lit. Subdued light is better, away from bright natural or indoor lighting.
- Check that you have enough time to spare to complete the learning process for all the keys you want to use.

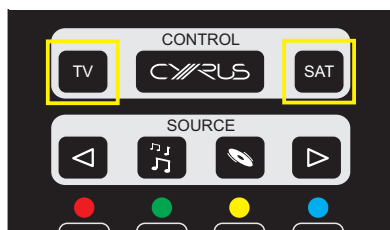
**Learning commands**

In this example, the Cyrus remote control will be learning commands from a 'reference' Satellite receiver remote control.

1. Set the two remote controls up facing each other, spaced by about 5cm.



2. Press the TV or SAT key to select the mode that you want to program.



*The keypad will light and the key you selected will be red.*

3. Press and hold the SETUP key.



*The mode key will change to white. After about three seconds, the mode key will light red again. This indicates that the remote control is ready to learn codes.*

4. Release the SETUP key.

*The remote control is now waiting to learn commands. The keypad will light continually and the mode key will light pale red.*

5. On the reference remote control, press and hold the first key you want to learn (for example, volume up) until the mode key flashes red.

*This indicates that the command has been received.*

6. Release the key on the reference remote control.

7. Press a key on the Cyrus remote control (volume up in this example) to select where you want to save that command.

*The mode key will stop flashing. This indicates that the command has been saved successfully.*

*If the learning process was successful, the remote control will be ready to learn the next command.*

8. Repeat steps 5 to 7 for each command you want to learn.

When you have completed learning all commands -

- Press the SETUP key.

*The mode key will change to white. After a few seconds the backlight will switch off.*

### **Checking programmed commands**

- Select the mode that you just programmed and check that the commands were learned successfully.

NOTE: The TV or SAT mode key should flash red when sending a command. If the mode key is not flashing, then the command has not learned correctly.

- Make a note of any commands that have not programmed correctly and repeat the learning process to add these in.

NOTE: When you start the learning process it does not erase any programmed keys so you can re-program individual keys if required.

### **Problems with learning**

If none of the commands have learned correctly, try re-starting the learning process again. Test a few keys first to ensure that your handset is compatible for learning. If the test works then continue to program the rest of the commands you need.

If you still have problems, check carefully that the mode light is flashing correctly as you send a command to learn. If not, it may be that the batteries need replacement in the reference handset or that the spacing between the handsets is not ideal. Try adjusting the spacing between the handsets and repeating the learning process.

If you continue to have problems, it may be that your handset is incompatible with the learning process. This could happen with an older design of handset or one that has an unusual code-set.

### **Sending TV or SAT commands**

Once you have programmed all the keys with the commands you want, you can use the remote control to send commands to your TV or Satellite receiver etc.

- Press the TV or SAT key to select the mode you want.
- Press the command key.

*The mode key will flash red when sending a programmed command.*

**TROUBLESHOOTING GUIDE**

If your preamplifier is not operating properly, disconnect the power and check carefully all connections.

If you are in any doubt, consult your retailer.

<b>No sound</b>	
The preamplifier is switched off or set to Standby	Bring the unit out of Standby (Standby light - GREEN)
The wrong input is selected	Check that the input is connected correctly and re-select if necessary.
Connection problems	Check that the turntable is connected correctly. If so, check that the connections to the pickup cartridge are correct.  Check the output connections from the <b>Phono Signature</b> to the system amplifier.
Other system component settings	Check that the system amplifier is switched on and set to the correct input.
<b>No sound from one loudspeaker</b>	
Connection problems	Check that the turntable is connected correctly. If so, check that the connections to the pickup cartridge are correct.
Other system components	If possible, check the system with another source. Check that the balance control is not set to one channel.
Speaker cables / interconnects faulty	Check connections, cables - replace if needed
<b>Hum or buzz</b>	
Ground loop	Change the position of the ground lift switch. If this doesn't resolve the problem, there may be a ground loop via the turntable and some other components in your system. Take the turntable to your retailer to get this checked.
Hum pickup	Ensure that the turntable and connection cables are positioned away from any equipment that could radiate a magnetic field, particularly large power amplifiers. Re-positioning the turntable and cables temporarily will help to identify if this is the problem.

**Distortion**

Distorted sound on loud passages when using a moving coil cartridge	The output signal level may be too high for the system preamplifier. Reduce the gain setting.
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Your preamplifier has a unique fault indication system to help you to diagnose problems.

Possible fault Indications on the display during use, the display will show-

<b>Muted (DC)</b>	
DC is present at the output of the amplifier	If this is a constant indication, switch off the preamplifier and disconnect all inputs and outputs. Switch on with no input or output connections. If the indication persists, return the unit for service.
<b>PSU Service</b>	
A problem has been detected with the power supply.	If a <b>PSX-R</b> is connected to the preamplifier, disconnect it and re-test. If the indication persists, return the unit for service.

If a fault condition still remains, return the amplifier to your Cyrus appointed retailer or an authorised Service Centre.

**SPECIFICATIONS**

**Power Supply**

Voltage: ..... As plate on rear of unit

**Power Consumption**

Standby..... <0.5W

Maximum ..... 15W

Safety Compliance ..... CE

EMC (230V)..... CE

EMC (115V)..... FCC

**Enclosure**

Dimensions (WxHxD)..... 215 x 75 x 365mm

Weight ..... 4.1kg

Material ..... Die cast chassis

**Audio performance**

Output voltage .....9V

RIAA filter accuracy .....±0.5dB

**Audio performance (MM)**

Input Sensitivity..... 4mV

Input Impedance .....47kΩ setting ..... 47kΩ

THD (for 400mV output)..... 0.001%

S/n ratio..... -87dBA

Channel separation ..... -90dB

**Audio performance (MC)**

Input sensitivity (MC) ..... 120µV - 4mV

Input Impedance ..... 11Ω setting ..... 11Ω

16Ω setting ..... 16Ω

33Ω setting ..... 33Ω

47Ω setting ..... 47Ω

100Ω setting ..... 104Ω

150Ω setting ..... 150Ω

333Ω setting ..... 335Ω

500Ω setting ..... 505Ω

1kΩ setting ..... 979Ω

47kΩ setting ..... 47kΩ

THD (for 400mV output)..... 0.0018%

S/n ratio (60dB gain)..... -79dBA

Channel separation (1kHz) ..... -95dB

Cyrus reserves the right to change all specifications without notice. E &OE

**WARRANTY**

The warranty should be registered on-line within eight days of purchase. No retailer or distributor may vary the terms of this warranty, which is personal to the original purchaser and is not transferable.

Please retain the sales receipt as proof of purchase.

Warranty claims must wherever possible be made through the retailer from whom the equipment was purchased.

This warranty excludes:

- Damage caused through neglect, accident, misuse, wear and tear, or through incorrect installation, adjustment or repair by unauthorised personnel. Any unauthorised servicing will result in loss of warranty.
- Liability for damage or loss occurring in transit to or from the purchaser.
- Consequential damage, loss or injury, arising from or in conjunction with this equipment.

Equipment for attention under warranty should be consigned return carriage paid. If returned equipment is found to comply with the published specification, CYRUS reserves the right to raise a charge.

The above conditions do not affect your statutory rights as a consumer.

**WEEE**

This logo means that this product is not to be disposed of with your household waste. This product should be handed over to a designated collection point to be recycled. Your cooperation in the correct disposal of this product will contribute to the effective usage of natural resources. For more information on collection points, contact your disposal service or City Hall.





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