

# CYRUS

ENGINEERED TO ENTERTAIN



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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. Batteries (battery pack or batteries installed) shall not be exposed to excessive heat such as sunshine, fire or the like.

**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.

**Power supply:**

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

The mains supply requirement for your Cyrus unit 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-240V
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:**

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:**

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).

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## WELCOME TO THE WORLD OF CYRUS!

Congratulations on your choice of Cyrus Audio-Visual 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 Cyrus DAC safely and correctly.

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## Preparations for Installation

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

- Power Cable
- 2 MC-BUS phono cables
- Remote Control Handset (DAC XP Signature only)
- 2 AAA Batteries (DAC XP Signature only)

After removing these items, please retain the packaging.

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

**IMPORTANT NOTE:-** To avoid damage to your system, always ensure that mains power is disconnected from all system components until installation is complete.

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## Model Differences and Upgrades

There are two model versions in the DAC X Signature series –

### The DAC X Signature upsampling audio DAC

The DAC X Signature features dual mono DACs and a balanced audio design throughout the analogue domain. The DAC X Signature is a high-end upgrade for a CD transport or other digital audio sources, connecting between the digital outputs of the sources and a preamplifier.

### The DAC XP Signature upsampling audio DAC with preamp

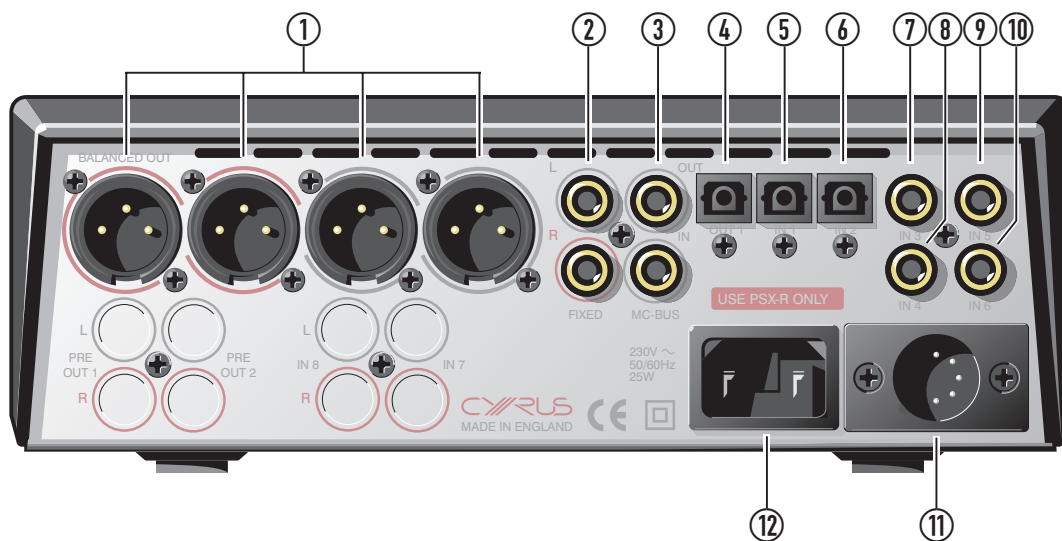
The DAC XP Signature shares digital technology with the DAC X Signature, adding a fully balanced preamplifier stage with additional analogue audio inputs. The DAC XP Signature can drive a power amplifier directly and replaces a conventional analogue pre-amplifier in a high-end audio system.

This handbook includes instructions for the connection and operation of both the DAC X Signature and DAC XP Signature. Refer to the index to find instructions for the model you own.

In sections that are common to both models, model differences are shown in the text where necessary.

A factory upgrade is available for the DAC X Signature to full DAC XP Signature specification, adding the balanced preamplifier stage.

**INSTALLATION (DAC X SIGNATURE)**



**Key to the rear panel drawing:**

- |                            |                      |
|----------------------------|----------------------|
| 1. Dual balanced outputs   | 7. Input 3 Digital   |
| 2. Fixed level DAC outputs | 8. Input 4 Digital   |
| 3. MC-BUS connections      | 9. Input 5 Digital   |
| 4. Optical digital output  | 10. Input 6 Digital  |
| 5. Input 1 Optical         | 11. PSX-R connection |
| 6. Input 2 Optical         | 12. AC mains inlet   |

NOTE: When connecting inputs to the DAC X Signature, ensure that only digital audio sources are connected to 'Digital' inputs.

### Connecting Digital Audio Sources

The digital audio inputs of the DAC X Signature are compatible with a number of different digital audio sources. These include-

- Digital Audio output from a CD player
- DVD players (for replay of 2 channel PCM programs only)
- Digital tape/disc recorders
- Digital Radio
- Digital Satellite receivers (for replay of 2 channel PCM programs only)

Using a suitable Toslink optical or Digital phono interconnect, connect each digital audio source to one of the inputs 1~6. Make a note of the input number used for each source as the inputs of the DAC X Signature can be re-named at the set-up stage.

### Connecting the DAC X Signature to an amplifier

The DAC X Signature requires an external amplifier or preamplifier to provide input selection and volume control functions for the system, and to drive the speakers. Two output options are available from the DAC X Signature via either standard RCA phono outputs, or via balanced audio connections.

CAUTION:- Do not connect power amplifiers to the Fixed output.

#### Connecting to amplifiers with phono inputs

With suitable phono interconnects, connect from the Fixed Out terminals ② to a suitable amplifier line input. All line level inputs, such as CD, TU, AU, AV are suitable. We recommend selection of an input that corresponds to the primary source connected to the DAC X Signature. If the primary source is a CD player, the CD input is recommended, if the primary source is a DVD player, the AV input is recommended etc. For Cyrus amplifiers with optional MC-BUS connection, see also the section 'MC-BUS connections'.

#### Connecting to amplifiers with balanced inputs

If the amplifier is equipped with balanced inputs, the balanced outputs of the DAC X Signature may be used. With suitable balanced interconnects fitted with XLR connectors, connect from the Balanced Output terminals ① of the DAC X Signature to the input of the amplifier. Dual balanced outputs are provided for connection to a second amplifier or recording device with balanced input.

### Connecting to the Digital Output

An optical Digital Output ④ is provided for the connection of another digital device to the DAC X Signature. This may include such devices as a multi-channel surround decoder or a digital tape/disc recorder. The currently selected digital input signal will be routed to this output.

### External Regulated Power Supply - PSX-R

The PSX-R is a unique DC power supply that will upgrade the sonic performance of your DAC X Signature and other Cyrus products. When a DAC X Signature / PSX-R combination is installed, the analogue section of the DAC stage is powered from this clean, stable power source while other requirements are supplied internally. This ensures complete isolation of the sensitive analogue sections reducing AC mains-borne noise and power supply ripple.

To connect the PSX-R to the DAC X Signature, plug the connector on the umbilical cord of the PSX-R into the Multi-Pole socket on the rear of the DAC X Signature ⑩. You will need a mains supply for both units.

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

### MC-BUS

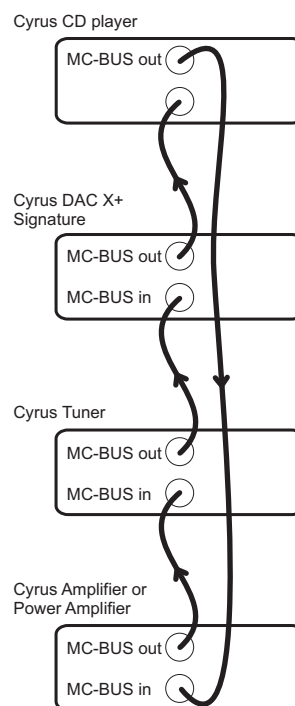
#### MC-BUS operation

Connecting the MC-BUS sockets ③ of the DAC X Signature to those of other Cyrus products is an option that provides unified system power control. With MC-BUS connections established the power function of all connected Cyrus components may be controlled from the system amplifier or its remote control.

All connected components will also set to Standby when the amplifier is set to Standby.

#### MC-BUS connection

An MC-BUS loop is established by connecting single phono cables from the MC-BUS output of one unit to the MC-BUS input of another. Complete the loop by returning the MC-BUS output of the final component to the MC-BUS input of the first. The diagram shows an example of MC-BUS wiring for a Cyrus DAC X Signature with a CD player, tuner and amplifier.

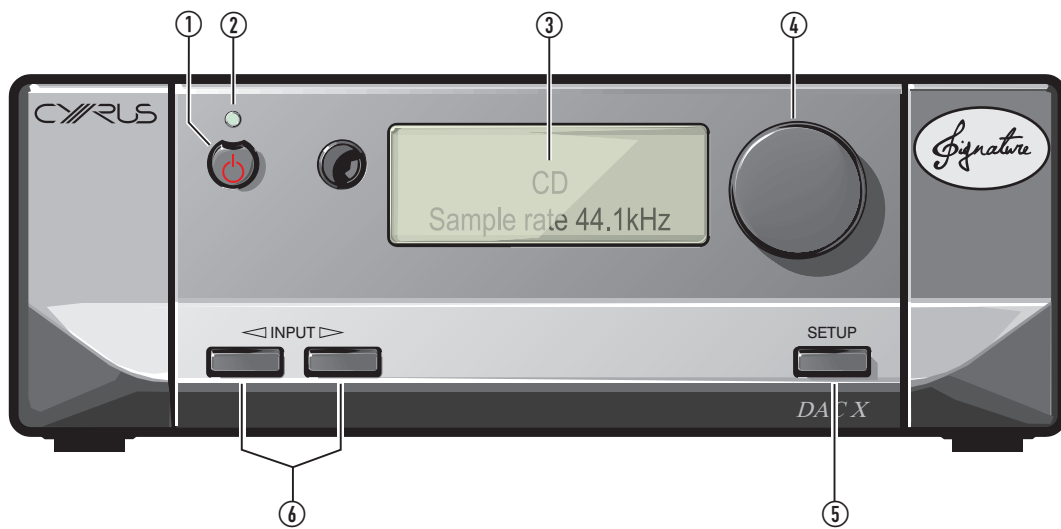


#### MC-BUS configuration

Within a Cyrus system, the DAC X Signature may be connected to either the CD, TU, AU or AV input, as selected by the user to best match their system components. To ensure that the DAC X Signature will power on when the correct input is selected, the MC-BUS response may be configured accordingly.

The factory response enables the DAC X Signature to switch on when the CD input is selected from the amplifier. To change the response, refer to the paragraph 'DAC X Signature Connected to' in the section 'Setting up the DAC X Signature'.

**OPERATION (DAC X SIGNATURE)**



**Key to the front panel drawing:**

- 1. Standby key
- 2. Standby light
- 3. Display window
- 4. Setup adjust
- 5. Setup select
- 6. Input select

**Switching On**

The mains power to the DAC X Signature should normally be left on unless left unattended for a long period when the mains power at the wall socket should be switched off or the product disconnected from the AC supply. When power is applied, the STANDBY key ① is used for power control. The Standby light ② shows red when the DAC X Signature is in Standby and green when operational.

**Selecting an input**

Inputs may be selected from the front panel INPUT SELECT buttons ③. As a new input is selected the input name/number are displayed briefly. The main display indication for input can be selected from the two options available from the setup menu.

The factory default 'small input' display option will also identify the sample rate of the selected source and indicate 'Invalid Audio Format' for program material which the DAC X Signature will not decode (such as multi-channel digital sound from DVD players or satellite receivers).

**Remote control operation****Cyrus system remote controls**

For convenience of operation, the DAC X Signature will respond to CD system select commands from a Cyrus amplifier or system remote control, switching on each time the CD system is selected and switching off with power off commands. If the DAC X Signature is connected to a different input (TU, AUX or AV) the remote response may be changed through the set-up menu to match the connected input. Refer to the paragraph 'DACX connected to:' in the 'Setting up the DAC X Signature' section to change the response.

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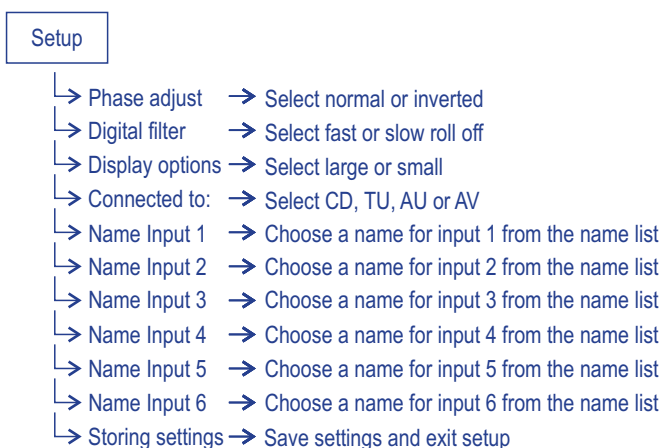


## SETTING UP (DAC X SIGNATURE)

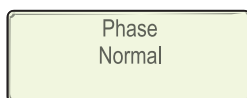
There are many configuration options available in the setup menu to customise the DAC X Signature to best match each individual system.

To enter the menu system, press the front panel SETUP key ④. Turn the Rotary control ⑤ to scroll through the options available on the display. Press the Rotary control ⑤ to select the option displayed. During the setup sequence, you can move to the next or previous step by pressing the Input up or down buttons.

Press the SETUP ④ key to exit setup and save any changed settings. Note that the setup sequence will exit, saving any changed settings after 10 seconds of inactivity or after the last option 'Name input 6' has been completed. The setup menu options are shown here –

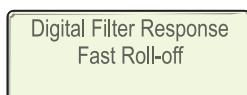


### Phase adjust



This menu option sets the audio phase for the DAC. The factory setting is normal. Some listeners may prefer the inverted setting with their systems or for when playing particular recordings.

### Digital Filter Response

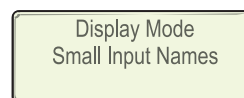


This menu option gives two settings for the digital filtering of the DAC stage. Choose your preference of Fast or Slow roll-off by auditioning some of your favourite tracks with each setting.

### DACX Connected to:

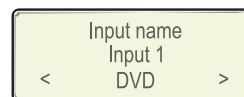
This option may be used to change the remote control and MC-BUS response of the DAC X Signature. From the factory, the DAC X Signature will power on in response to a CD select command from a Cyrus remote control or from a CD select signal sent via MC-BUS, so if the DAC X Signature is connected to the CD input of the amplifier, no change will be required to this setting. If, however, the DAC X Signature is connected to the TU, AU or AV inputs of the amplifier, the appropriate remote and MC-BUS responses may be selected through this menu option to ensure power-on compatibility with the amplifier.

### Input display



There are two modes of display operation. The small setting will show a two-line display with the selected input in the display centre and the current sample rate/lock status at the bottom. The large setting will show a single line display with a larger input legend.

### Input names



When the DAC X Signature leaves the factory, the input names are set to correspond to the rear panel connections, for example Input 1 will display as Input 1.

The name of any input may be changed to a choice from the following list-

- No source (off)
- LaserDisc, DVD, DVD 2, DVD-A, CD, CD 2
- Linkserver, Linkport
- Jukebox, Phono
- Tuner, DAB, TV, AV, Cyrus AV, Satellite, Satellite 2, Cable
- Video, VCR, VCR 2, Tape, MiniDisc, DAT
- PC, Games, Keyboard, Aux, AV Direct, Stream X

To change the names of the inputs, we recommend making a list of each input number with your preferred name from the choices above before setting the names.

No source is a special function name, used to name inputs that have no source connected to them. These input numbers will not then appear in the input selector sequence.

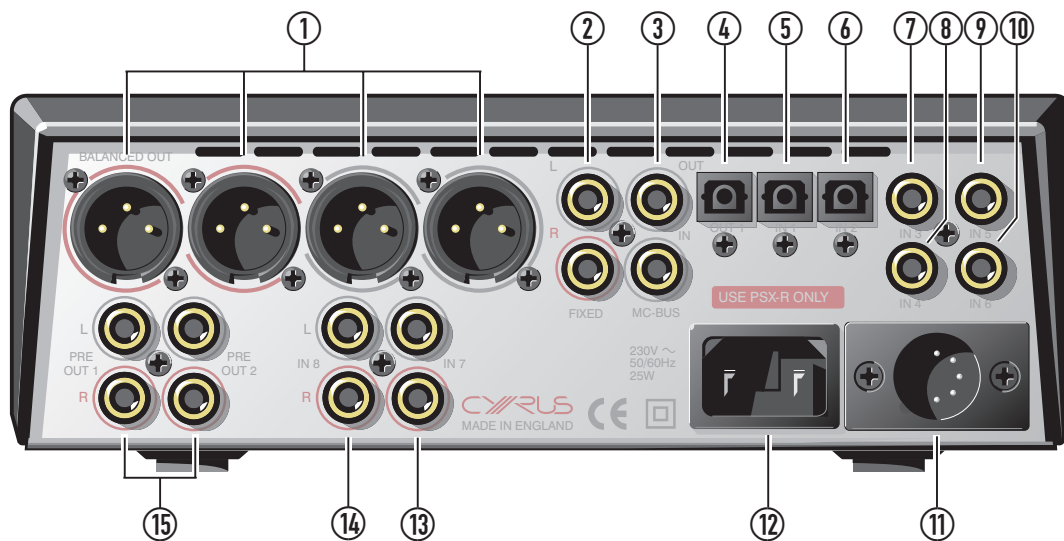
### Restoring factory settings

You can also restore all configuration options to the initial default settings that were applied at the factory.

NOTE: This operation is not reversible.

To restore factory settings, disconnect mains power from the unit. Now re-connect mains power while holding down the Standby key.

**INSTALLATION (DAC XP SIGNATURE)**



**Key to the rear panel drawing**

- |                                 |                         |
|---------------------------------|-------------------------|
| 1. Dual balanced preamp outputs | 9. Input 5 Digital      |
| 2. Fixed level DAC outputs      | 10. Input 6 Digital     |
| 3. MC-BUS connections           | 11. PSX-R connection    |
| 4. Optical digital output       | 12. AC mains inlet      |
| 5. Input 1 Optical              | 13. Input 7 Analogue    |
| 6. Input 2 Optical              | 14. Input 8 Analogue    |
| 7. Input 3 Digital              | 15. Dual preamp outputs |
| 8. Input 4 Digital              |                         |

NOTE: When connecting inputs to the DAC XP Signature, ensure that only digital audio sources are connected to 'Digital' inputs.

### Connecting Digital Audio Sources

The digital audio inputs of the DAC XP Signature are compatible with a number of different digital audio sources. These include-

- Digital Audio output from a CD player
- DVD players (for replay of 2 channel PCM programs only)
- Digital tape/disc recorders
- Digital Radio
- Digital Satellite receivers (for replay of 2 channel PCM programs only)

Using a suitable Toslink optical or Digital phono interconnect, connect each digital audio source to one of the inputs 1~6. Make a note of the input number used for each source as the inputs of the DAC XP Signature can be re-named at the set-up stage.

### Connecting Analogue Audio Sources

Analogue Inputs 7-8 are available for the connection of stereo analogue audio sources to the DAC XP Signature. Inputs 7-8 are intended for use with analogue program sources which include-

- Analogue output from CD/DVD Players
- Televisions
- Analogue Satellite Receivers
- FM Radio tuners
- Analogue VCRs/Tape recorders
- Surround decoders

### Connecting Power amplifiers

External power amplifiers are necessary to drive the system speakers. Both stereo and high power monoblock Cyrus power amplifiers are available to partner the DAC XP Signature and a choice of RCA phono or balanced outputs is provided.

NOTE:- Take care to connect each of the DAC XP Signature output channels to the correct power amplifier and loudspeaker.

#### Connecting to power amplifiers with phono inputs

With suitable phono interconnects, connect from the Pre Out terminals ⑤ to the power amplifier inputs. The system loudspeakers may then be connected to each power amplifier. Dual outputs are provided to enable the connection of two amplifiers for bi-amping.

#### Connecting to power amplifiers with balanced inputs

With suitable Balanced interconnects, connect from the Balanced Output terminals ① to the power amplifier inputs. The system loudspeakers may then be connected to each power amplifier. Dual outputs are provided to enable the connection of two amplifiers for bi-amping.

#### Fixed output

The Fixed output is connected directly to the internal DAC stage of the DAC XP Signature and bypasses the internal preamplifier and volume control. It may be used to feed the DAC stage output to an external system preamplifier, or for high quality tape recording from digital sources.

NOTE:- Analogue inputs 7 and 8 are not routed to the Fixed output.

CAUTION:- Do not connect power amplifiers to the Fixed output.

### Connecting a Cyrus Surround Sound decoder

In a Cyrus multi-channel surround sound system the surround decoder may be connected through the DAC XP Signature to share the same front channel power amplifiers.

In this case, connect a stereo phono interconnect from the front channel outputs of the surround decoder to the Input 7 sockets ③ of the DAC XP Signature. For this system to function correctly both the DAC XP Signature and the Cyrus surround decoder must be included in an MC-BUS connection loop and the 'Cyrus AV' input name must be set for Input 7 (see 'MC-BUS' section and 'Input names' in the 'Setup menu' section).

When set up in this way, the DAC XP Signature will automatically check for the presence of the decoder when the 'Cyrus AV' input is selected, then lock the DAC XP Signature volume setting to an appropriate level.

### Connecting a Surround Sound decoder (other brand)

If your system includes a multi-channel surround sound decoder (but not a Cyrus model), it may be connected through your DAC to drive the front channel speakers.

In this case, connect a stereo phono interconnect from the front channel outputs of the surround decoder to one of the Analogue Inputs of the DAC. For this system to function correctly, the 'AV Direct' input name must be set for the input used (see 'Input names' in the 'Setup menu' section).

When set up in this way, the DAC will automatically lock its volume setting to a fixed level to match the output of the surround decoder.

CAUTION: The 'AV Direct' input name should only be used for surround decoders that include a volume control, as the volume control of your DAC will be fixed at a very high level.

### Connecting to the Digital Output

An optical Digital Output ④ is provided for the connection of another digital device to the DAC XP Signature. This may include such devices as a multi-channel surround decoder or a digital tape/disc recorder. The currently selected digital input signal will be routed to this output.

**External Regulated Power Supply - PSX-R**

The PSX-R is a unique DC power supply which will upgrade the sonic performance of your DAC XP Signature and other Cyrus products. When a DAC XP Signature / PSX-R combination is installed, the analogue section of the DAC stage is powered from this clean, stable power source while other requirements are supplied internally. This ensures complete isolation of the sensitive analogue sections reducing AC mains-borne noise and power supply ripple.

To connect the PSX-R to the DAC XP Signature, plug the connector on the umbilical cord of the PSX-R into the Multi-Pole socket on the rear of the DAC XP Signature ⑩. You will need a mains supply for both units.

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

**MC-BUS**

**MC-BUS operation**

Connecting the MC-BUS sockets ③ of the DAC XP Signature in an MC-BUS system provides unified system power control. With MC-BUS connections established the power function of all connected Cyrus components may be controlled from the DAC XP Signature front panel or remote control. Refer to the following table for Cyrus components that will be activated by the DAC XP Signature when the inputs have been named as listed -

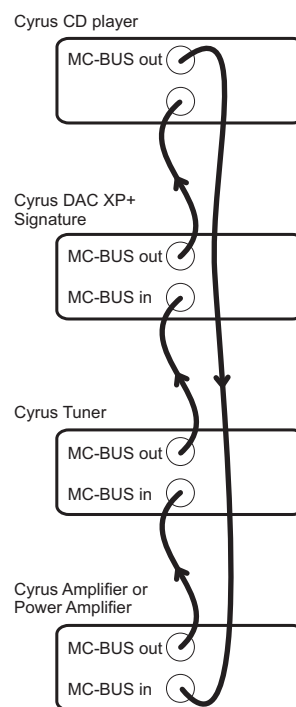
Input name	Power on response
CD	CD players, power amplifiers
TUNER	Tuners, power amplifiers
AV	DVD players, power amplifiers
CYRUS AV	DVD players, surround decoders, power amplifiers
DVD	DVD players, power amplifiers

Follow the instructions in section 'Setting up the DAC XP Signature' to set the listed input names.

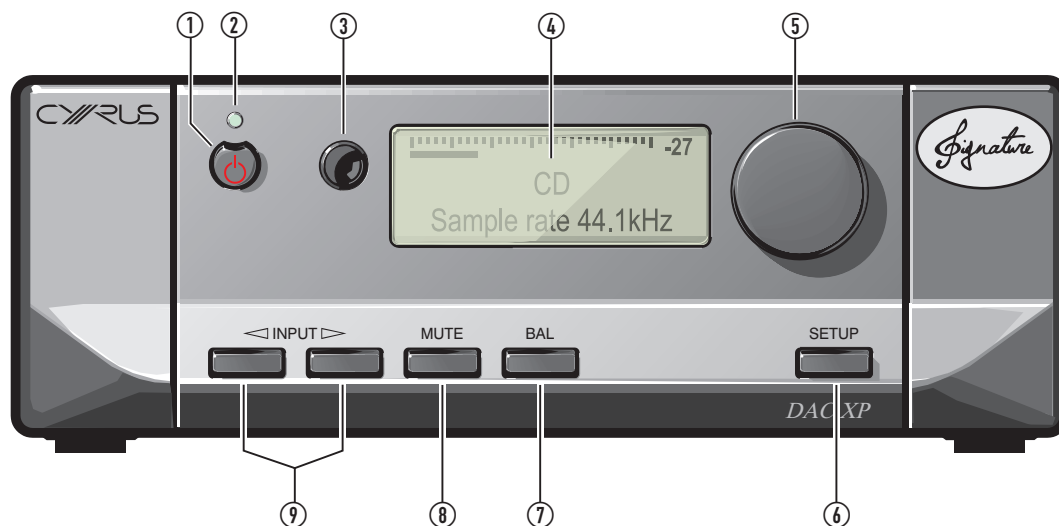
All connected components will also set to Standby when the DAC XP Signature is set to Standby.

**MC-BUS connection**

An MC-BUS loop is established by connecting single phono cables from the MC-BUS output of one unit to the MC-BUS input of another. Complete the loop by returning the MC-BUS output of the final component to the MC-BUS input of the first. The diagram shows an example of MC-BUS wiring for a Cyrus DAC XP Signature with a CD player, tuner and power amplifier.



**OPERATION (DAC XP SIGNATURE)**



**Key to the front panel drawing**

- |                                   |                           |
|-----------------------------------|---------------------------|
| 1. Standby key                    | 6. Setup select           |
| 2. Standby light                  | 7. Channel balance select |
| 3. Remote eye                     | 8. Mute                   |
| 4. Display window                 | 9. Input select           |
| 5. Level control and setup adjust |                           |

### Switching On

---

The mains power to the DAC XP Signature should normally be left on unless left unattended for a long period when the mains power at the wall socket should be switched off or the product disconnected from the AC supply.

When power is applied, the STANDBY key ① is used for power control. The Standby light ② shows red when the DAC XP Signature is in Standby and green when operational.

### Selecting an input

---

Inputs may be selected from the front panel INPUT SELECT buttons ④ or with the remote control INPUT SELECT keys. As a new input is selected the input name/number are displayed briefly. The main display indication for input/volume can be selected from the three options in the setup menu.

The factory default 'small input' display option will also identify the sample rate of the selected source and indicate 'Invalid Audio Format' for program material which the DAC XP Signature will not decode (such as multi-channel digital sound from DVD players or satellite receivers).

### Volume and Balance

---

The level control ⑤ of the DAC XP Signature performs the dual functions of volume and balance.

#### Volume

In normal mode the level control sets the volume in 1dB steps. A bargraph and a numeric scale at the top of the display window show the current volume setting. The last used volume setting is stored when the unit is set to standby.

If the volume is left at an abnormally high volume level before entering standby, the level will be reduced automatically to a safe level of -15dB for next use.

#### Balance

Press the balance control key ⑦ to change the mode of the front panel rotary control ⑤ to set Left/Right Balance. The volume display will also change to show a graphic and numeric display of the balance setting.

#### Mute

---

Pressing the MUTE Key ⑥ will mute the volume to minimum level without disturbing the existing volume setting. When muted the display will show that volume is muted. Move the volume knob up or press the Mute key to fade back up to the original volume setting.

### Programmable Input Sensitivity

---

You may find an audible difference in level when switching from digital inputs to one of the two analogue inputs due to the differing outputs of your source components. The unique calibration memory of the DAC XP Signature can be programmed to match the sensitivity of these inputs with reference to the digital inputs. Input sensitivity settings are made through the setup menu. Refer to the section 'Setting up the DAC XP Signature' for more details.

**REMOTE CONTROL OPERATION (DAC XP SIGNATURE)**

**Remote control introduction:**

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

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.

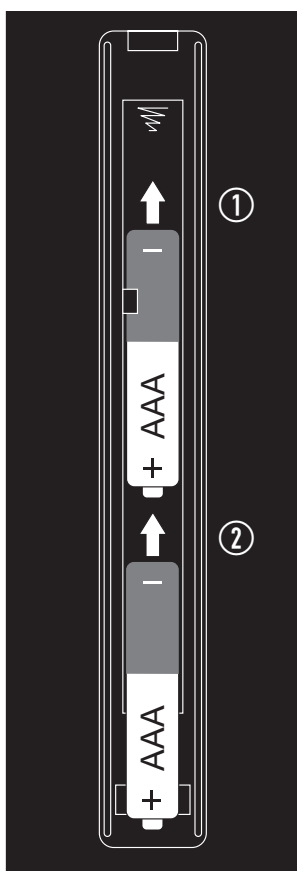
**Remote control backlight:**

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.

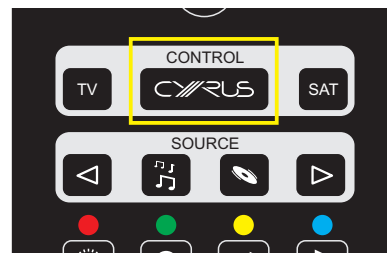


Replace the handset batteries only with AAA batteries of the same voltage and type.

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

**Sending commands to Cyrus components:**

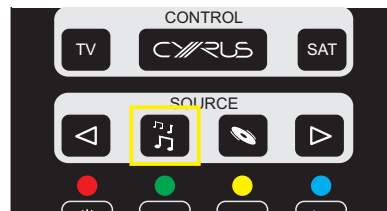
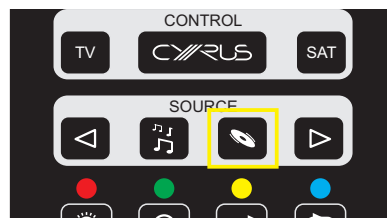
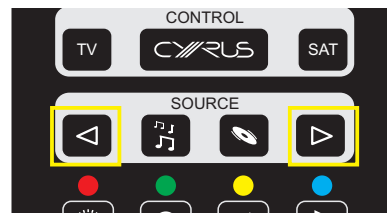
- Press the CYRUS key to set the remote control to Cyrus mode.



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



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

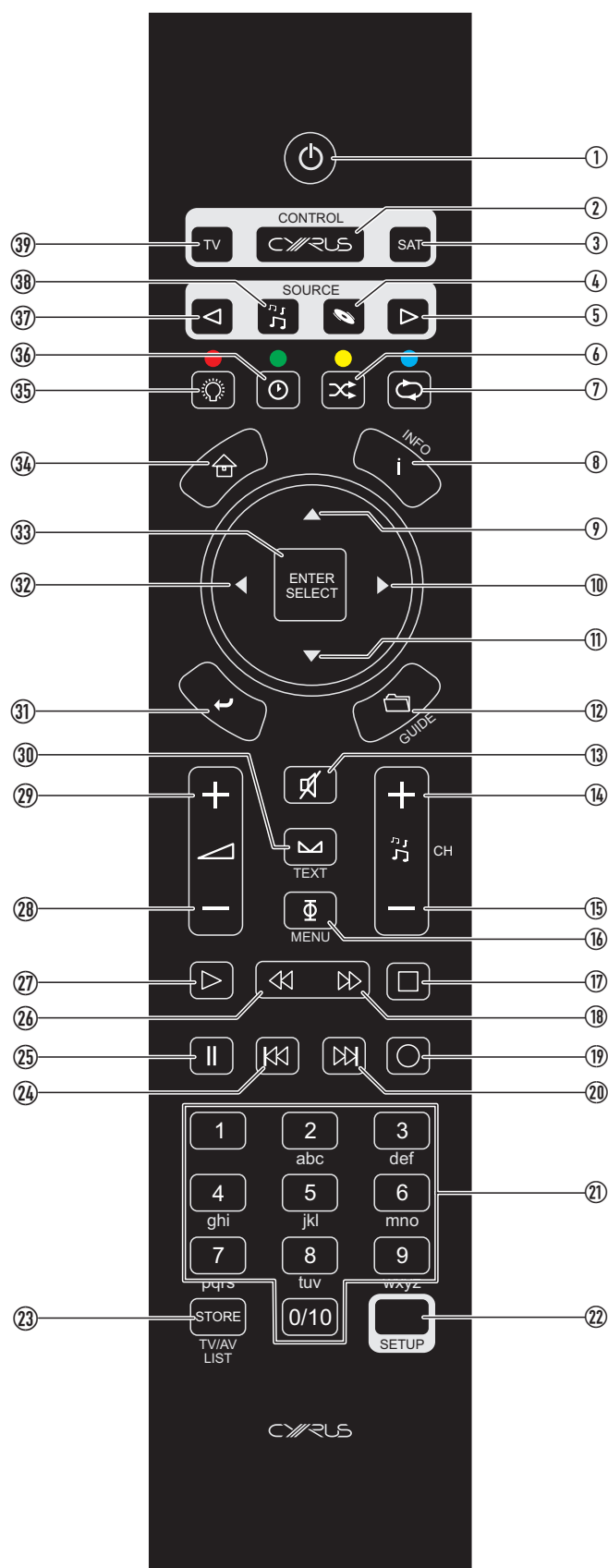
**Cyrus amplifier commands**

- 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).





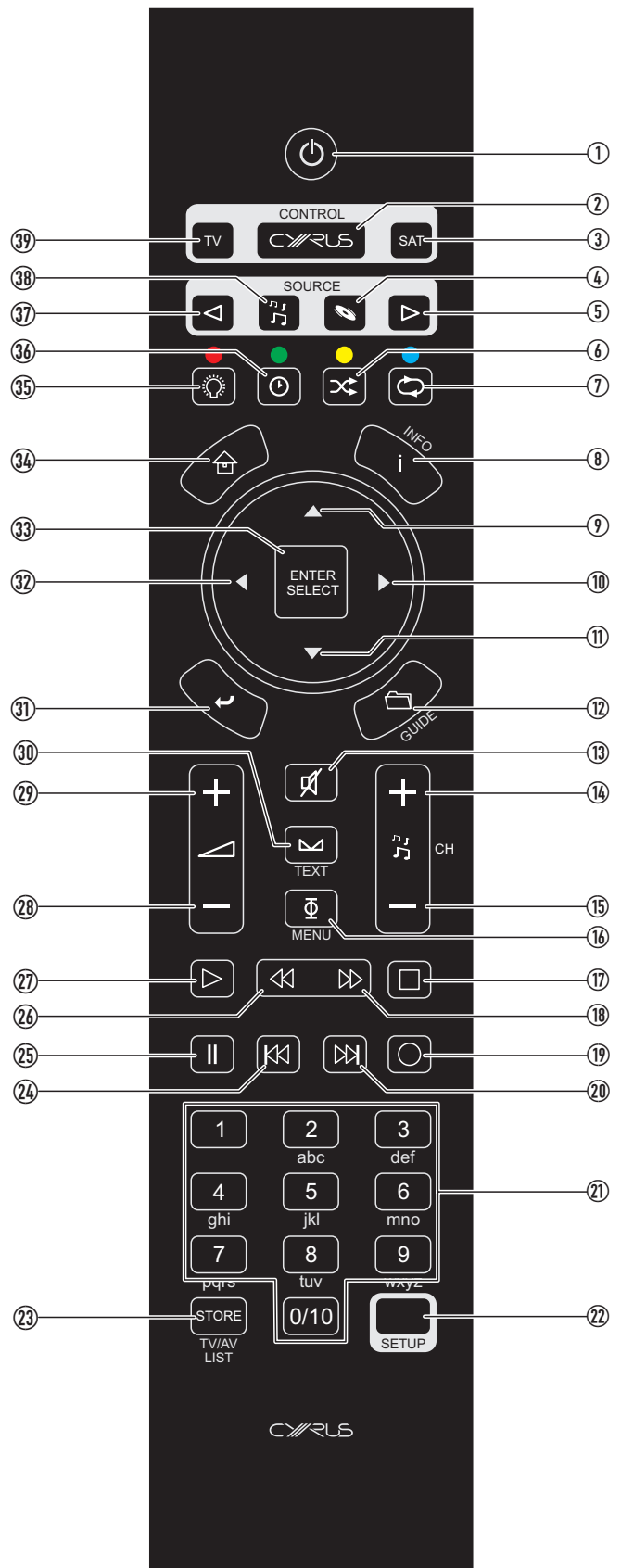
**Cyrus CD player commands**

- 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).

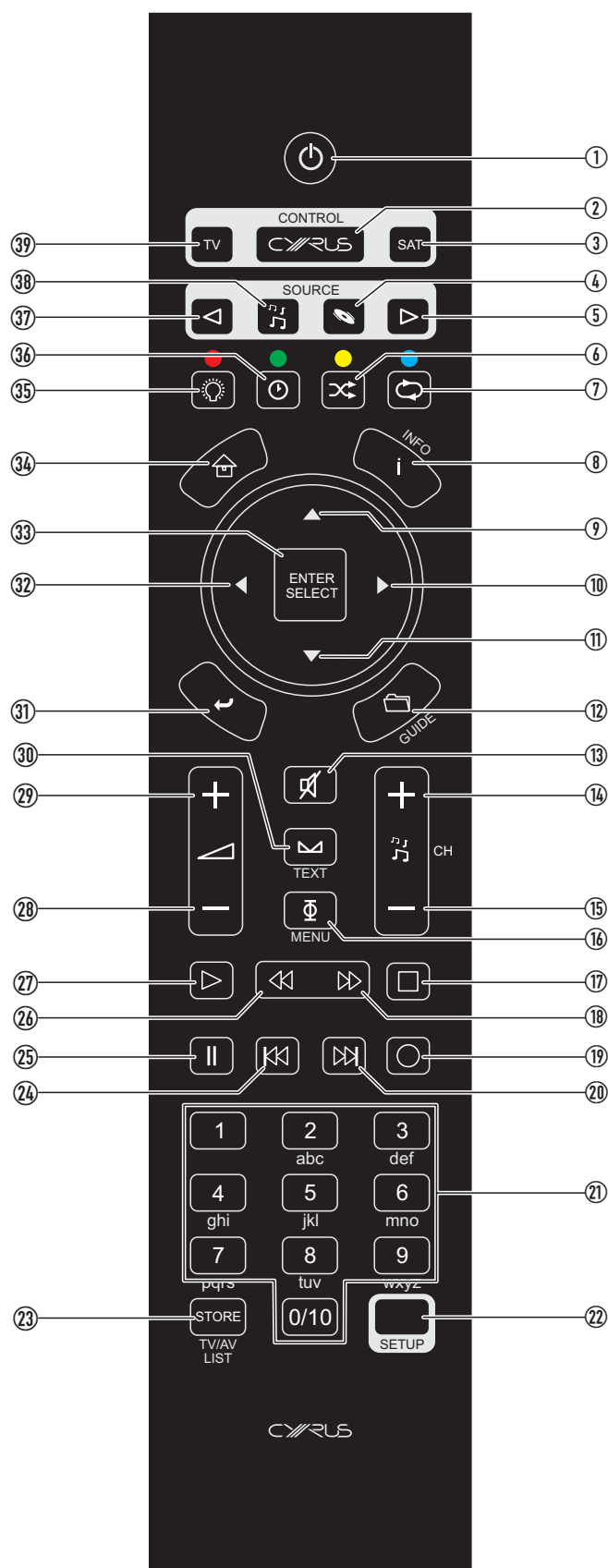


**Cyrus Audio streamer commands**

- 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:

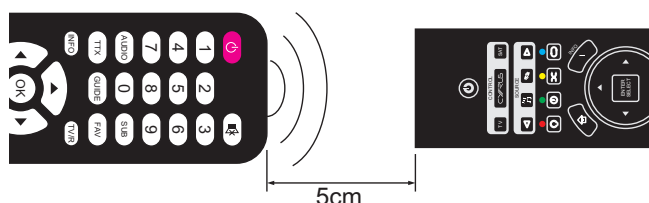
Check the following points before attempting to learn any commands -

- 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.

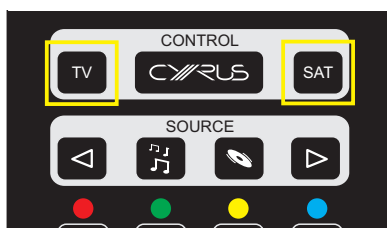
### Learning commands:

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.

### SETTING UP (DAC XP SIGNATURE)

There are many configuration options available in the setup menu to customise the DAC XP Signature to best match each individual system.

To enter the menu system, press the front panel SETUP key ④. Turn the Rotary control ⑤ to scroll through the options available on the display. Press the Rotary control ⑤ to select the option displayed. During the setup sequence, you can move to the next or previous step by pressing the Input up or down buttons.

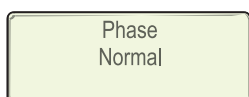
Press the SETUP ④ key to exit setup and save any changed settings. Note that the setup sequence will exit, saving any changed settings after 10 seconds of inactivity or after the last option 'Set the sensitivity for input 8' has been completed.

The setup menu options are shown here –

Setup

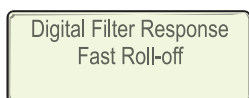
- ↳ Phase adjust → Select normal or inverted
- ↳ Digital Filter → Select fast or slow roll off
- ↳ Display Mode → Select large input, small input or large volume
- ↳ Name Input 1 → Choose a name for input 1 from the name list
- ↳ Name Input 2 → Choose a name for input 2 from the name list
- ↳ Name Input 3 → Choose a name for input 3 from the name list
- ↳ Name Input 4 → Choose a name for input 4 from the name list
- ↳ Name Input 5 → Choose a name for input 5 from the name list
- ↳ Name Input 6 → Choose a name for input 6 from the name list
- ↳ Name Input 7 → Choose a name for input 7 from the name list
- ↳ Name Input 8 → Choose a name for input 8 from the name list
- ↳ Trim Input 7 → Set the sensitivity for input 7
- ↳ Trim input 8 → Set the sensitivity for input 8
- ↳ Storing settings → Save settings and exit setup

### Phase adjust



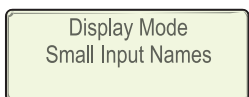
This menu option sets the audio phase for the DAC. The factory setting is normal. Some listeners may prefer the inverted setting with their systems or for when playing particular recordings.

### Filter adjust



This menu option gives two settings for the digital filtering of the DAC stage. Choose your preference of Fast or Slow roll-off by auditioning some of your favourite tracks with each setting.

### Display mode



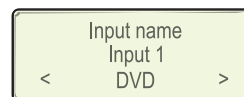
There are three modes of display operation.

The 'small input' setting will show a three line display with the volume reading at the top of the display, the selected input in the display centre and the current sample rate/lock status at the bottom.

The 'large input' setting will show a two line display with the volume reading at the top and a larger input legend below.

The 'large volume' setting will display large volume characters at the bottom of the screen with the bargraph above.

### Input names



When the DAC XP Signature leaves the factory, the input names are set to correspond to the rear panel connections, for example Input 1 will display as Input 1.

The name of any input may be changed to a choice from the following list-

- No source (off)\*
- LaserDisc, DVD, DVD 2, DVD-A, CD, CD 2
- Linkserver, Linkport
- Jukebox, Phono
- Tuner, DAB, TV, AV, Cyrus AV\*, Satellite, Satellite 2, Cable
- Video, VCR, VCR 2, Tape, MiniDisc, DAT
- PC, Games, Keyboard, Aux, AV Direct\*, Stream X.

To change the names of the inputs, we recommend making a list of each input number with your preferred name from the choices above before setting the names.

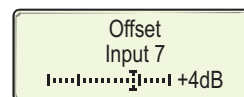
There are three special function input names marked \*.

'No source' is used to name inputs which have no source connected to them. These input numbers will not then appear in the input selector sequence.

'Cyrus AV' is reserved for the connection of Cyrus surround sound decoders. When a Cyrus surround decoder is connected to an analogue input named 'Cyrus AV' the DAC XP Signature will check the system for the presence of a Cyrus surround decoder and, if found, lock out its volume control at a precise setting. Normal volume operation will be restored when any other input is selected.

'AV Direct' is reserved for the connection of non-Cyrus surround decoders to an analogue input. This input name must only be used for this purpose as the volume level will lock to a very high setting (-6dB) when AV Direct is selected.

### Input trims



It is possible to adjust the sensitivity of analogue inputs 7 and 8 by selecting the appropriate trim option from the menu. This enables the volume level when playing low or high output source components such as tape decks or tuners to be equalised with the digital system sources.

### Restoring factory settings

You can also restore all configuration options to the initial default settings that were applied at the factory.

NOTE: This operation is not reversible.

To restore factory settings, disconnect mains power from the unit. Now re-connect mains power while holding down the Standby key.



**WARRANTY**

The warranty should be registered on-line within 8 days of purchase. No Dealer 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.





Cyrus Audio Ltd., Ermine Business Park, Huntingdon, PE29 6XY, U.K.