

Cyrus DAC XP
User Instructions

Cyrus DAC XP

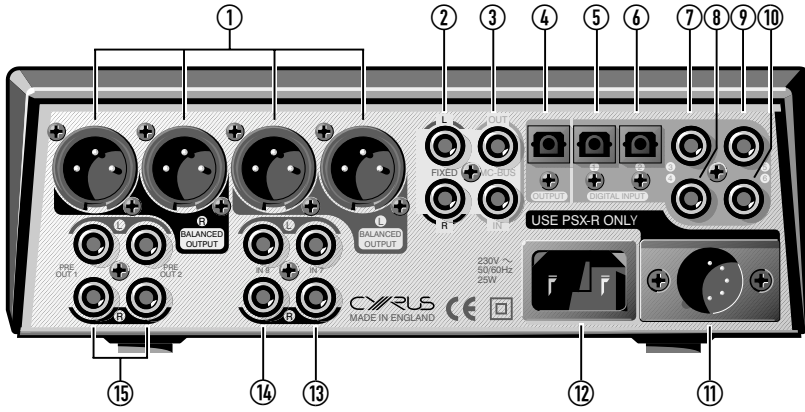
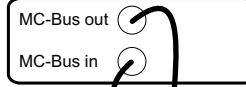


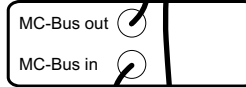
Fig 1

MC-Bus

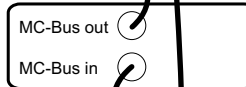
Cyrus CD player



Cyrus DAC XP



Cyrus Tuner



Cyrus Power Amplifier

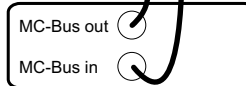


Fig 3

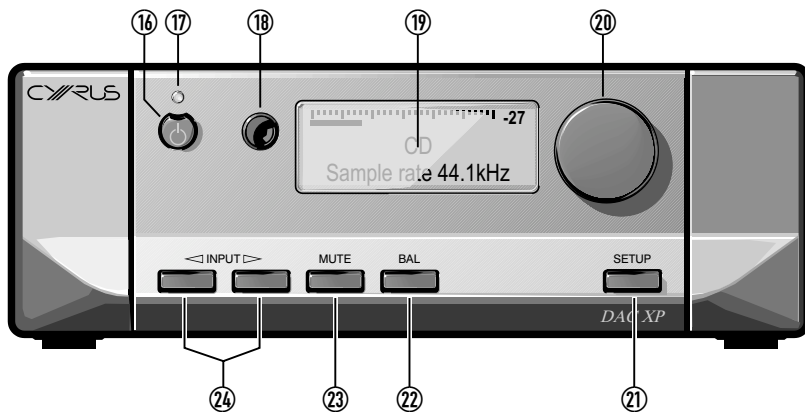


Fig 2

Fig 4a

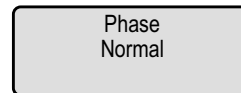


Fig 4b

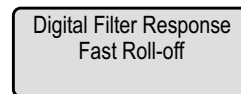


Fig 4c

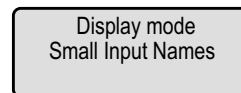


Fig 4d

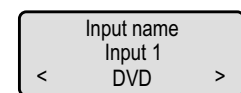


Fig 4e

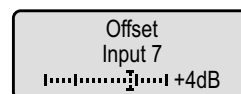


Fig 4

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.

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 DAC XP* 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.

NOTE FOR UK CUSTOMERS:

The *Cyrus DAC XP* is supplied with a power cable terminated by a fused 13A mains plug. This plug should not be removed but if it is removed, dispose of it safely and do not re-use it. To connect a new 13A plug, proceed as follows: Connect the brown wire to the terminal marked L or coloured red. Connect the blue wire to the terminal marked N or coloured black. The internal plug fuse should be 5A.

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.

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.

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

Preparations for Installation

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

- Warranty Card (back cover of this handbook)
- AC Mains Cable
- Remote Control Handset
- 2 AAA Batteries
- 2 MC-Bus phono cables

After removing these items, please retain the packaging.

Install the *DAC XP* in a well ventilated location away from sources of high temperature, dust or humidity. Never stand the *DAC XP* 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.

Installation

Key to the rear panel drawing (Fig.1)

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*, ensure that only digital audio sources are connected to 'Digital' inputs.

Connecting Digital Audio Sources to the DAC XP

The digital audio inputs of the *DAC XP* 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

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* can be re-named at the set-up stage.

Connecting Analogue Audio Sources to the DAC XP

Analogue Inputs 7-8 are available for the connection of stereo analogue audio sources to the *DAC XP*. 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
- *Cyrus* surround decoder

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* and a choice of RCA phono or balanced outputs is provided.

NOTE:- Take care to connect each of the *DAC XP* 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 ⑩ 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 ⑪ 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* 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 to the DAC XP

In a *Cyrus* multi-channel surround sound system the surround decoder may be connected through the *DAC XP* 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 ⑫ of the *DAC XP*. For this system to function correctly both the *DAC XP* 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* will automatically check for the presence of the decoder when the 'Cyrus AV' input is selected, then lock the *DAC XP* volume setting to an appropriate level.

Connecting to the Digital Output

An optical Digital Output ⑬ is provided for the connection of another digital device to the *DAC XP*. 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* and other *Cyrus* products. When a *DAC XP* / *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*, plug the connector on the umbilical cord of the *PSX-R* into the Multi-Pole socket on the rear of the *DAC XP* ⑭. You will need a mains supply for both units.

MC-BUS Connections

MC-Bus operation

Connecting the MC-Bus sockets ③ of the *DAC XP* 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* front panel or remote control. Refer to the following table for *Cyrus* components that will be activated by the *DAC XP* 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*' to set the listed input names.

All connected components will also set to Standby when the *DAC XP* 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 drawing in Fig 3 shows an example of MC-Bus wiring for a *Cyrus DAC XP* with a CD player, tuner and power amplifier.

SETTING UP THE *DAC XP*

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

The setup sequence is activated by pressing the front panel set up button ④. Repeated pressing of the setup button will step through each available setup option until 'Storing settings' is shown on the display. When each setup screen is displayed, changes may be made to the settings by rotating the front panel volume knob.

The setup sequence will cancel after 5 seconds of inactivity.

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

Some examples of the setup display screens are shown in Fig 4.

Phase adjust (Fig 4a)

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.

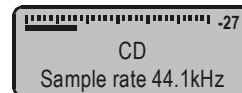
Filter adjust (Fig 4b)

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 (Fig 4c)

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 (Fig 4d)

When the *DAC XP* 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, SACD
- Linkserver, Linkport
- Jukebox, Phono
- Tuner, DAB, TV, AV, Cyrus AV*, Satellite, Satellite 2, Cable
- VCR, VCR 2, Tape, MiniDisc, DAT
- PC, Games, Keyboard, Aux

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 two 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* 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.

Input trims (Fig 4e)

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.





OPERATING THE CYRUS DAC XP

Key to the front panel drawing (Fig.2):


16. Standby key	21. Setup select
17. Standby light	22. Channel balance select
18. Remote eye	23. Mute
19. Display window	24. Input select
20. Level control and setup adjust	

Switching On

The mains power to the *DAC XP* 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  is used for power control. The Standby light  shows red when the *DAC XP* is in Standby and green when operational.

Selecting an input

Inputs may be selected from the front panel INPUT SELECT buttons  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* will not decode (such as multi-channel digital sound from DVD players).

Volume and Balance


The level control  of the *DAC XP* 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  to change the mode of the front panel rotary control  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  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* 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*' for more details.

REMOTE CONTROL

The *DAC XP* is supplied with a remote control designed to operate a full system of *Cyrus* products.

System select keys

Commands may be sent to different *Cyrus* system components by selecting the appropriate system select key on the handset. These keys are marked CD, TU, AV, AV-S and SETUP (for a surround decoder). The table overleaf shows the full command set including those which control the *DAC XP*.

To identify which type of product is under control, the CD, TU, AV, AV-S keys flash when any command is transmitted. Commands to a surround decoder from the SETUP system will flash the AV indicator.

The remote control will send commands to most products within the *Cyrus* range and is compatible for use within two types of *Cyrus* system -

- Stereo audio systems including a *DAC XP* as preamplifier.
- Multi-channel AV systems including both a *DAC XP* digital preamplifier and a *Cyrus* surround decoder.

Refer to the following section as appropriate to the configuration of your system.

Controlling a stereo system

A stereo system may include the *DAC XP*, a CD player, tuner or DVD player. The following commands may be sent -

- Press CD to send commands to CD players. This key will also switch on a CD player and select an input named CD on the *DAC XP*.
- Press TU to send commands to FM Tuners. This key will also switch on an FM tuner and select an input named Tuner on the *DAC XP*.
- Press AV to send commands to a DVD player. This key will also switch on a DVD player and select an input named AV or *Cyrus* AV on the *DAC XP*.

The *DAC XP* will respond to the volume, balance, mute and input keys when any of the above systems are selected. In the above examples, direct access input select will only function when these inputs have been named using the *DAC XP* setup menu.

NOTE - The AV-S and SETUP keys are not used to control this system.

Controlling a multi-channel AV system that includes both a *DAC XP* and a *Cyrus* surround decoder

This system will include both a *DAC XP* and a *Cyrus* surround decoder with a CD player, tuner or DVD player. In such a system it is expected that -

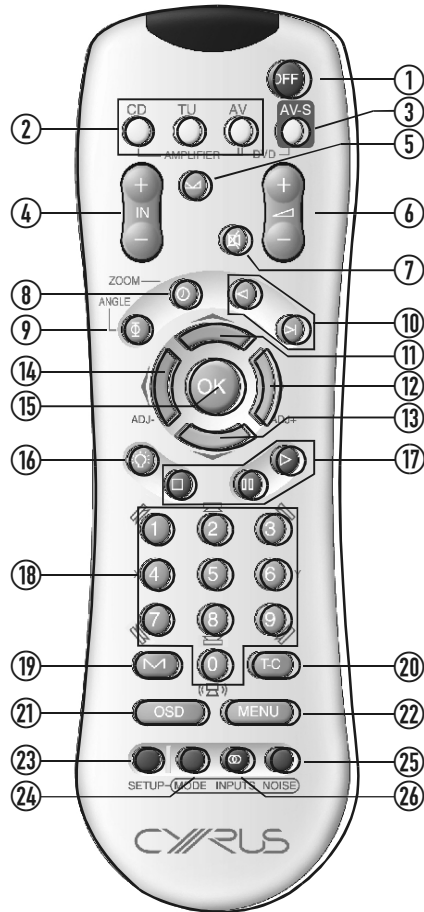
- Stereo sources will be connected directly to the inputs of the *DAC XP*.
- The DVD player will connect directly to the surround decoder and the front channel outputs of the surround decoder will connect to the AV input of the *DAC XP*.
- An MC-Bus connection loop will also be set up between at least the *DAC XP* and the surround decoder.

The following commands may be sent -

- Press CD to send commands to CD players. This key will also switch on a CD player and select an input named CD on the *DAC XP*. Volume, balance, input and mute commands will also be sent to the *DAC XP*.
- Press TU to send commands to FM tuners. This key will also switch on an FM tuner and select an input named Tuner on the *DAC XP*. Volume, balance, input and mute commands will be sent to the *DAC XP*.
- Press AV-S to send commands to a DVD player. This key will also switch on a DVD player and select the surround decoder via the 'Cyrus AV' input of the *DAC XP*. Volume, balance, input and mute commands will be sent to the surround decoder.
- Press SETUP to activate the blue keys and those with additional blue legends to send setup commands to the surround decoder, such as speaker balance settings, mode settings and input naming.

In the above examples, input select will only function when these inputs have been named using the *DAC XP* setup menu.

NOTE - The AV key is not used to control this system.



	CD MODE	TU MODE	AV/DVD MODE	AV-S/DVD MODE	SETUP MODE
1	Power off all systems				
2	CD, TU or AV MODE SELECT - CD, Tuner or DVD power on - DAC XP CD, TU or AV input select (if these input names are set).				
3	AV SURROUND MODE SELECT - DVD and Surround decoder power on.				
4	DAC XP input select.	DAC XP input select.	DAC XP input select.	Surround decoder input select.	Surround decoder input select.
5	DAC XP balance select.	DAC XP balance select.	DAC XP balance select.	-	-
6	DAC XP volume control.	DAC XP volume control.	DAC XP volume control.	Surround decoder volume control.	Surround decoder volume control.
7	DAC XP mute.	DAC XP mute.	DAC XP mute.	Surround decoder mute.	Surround decoder mute.
8	CD display mode.	-	DVD quick access zoom.	DVD quick access zoom.	-
9	CD audio phase invert.	-	DVD quick access angle.	DVD quick access angle.	-
10	CD next/previous track.	Tuner next/previous preset.	DVD next/previous chapter/title.	DVD next/previous chapter/title.	-
11	CD next track.	Tuner next preset.	DVD cursor up.	DVD cursor up.	-
12	CD search forward.	Tuner scan up.	DVD cursor right.	DVD cursor right.	Adj +
13	CD previous track.	Tuner previous preset.	DVD cursor down.	DVD cursor down.	-
14	CD search reverse.	Tuner scan down.	DVD cursor left.	DVD cursor left.	Adj -
15	-	-	DVD OK.	DVD OK.	Adj exit.
16	CD display off.	Tuner display off.	DVD display off.	DVD display off.	Surround decoder display off*.
17	CD transport functions.	-	DVD transport functions.	DVD transport functions.	-
18	CD track select.	Tuner preset select.	DVD chapter/title select.	DVD chapter/title select.	Surround decoder speaker and subwoofer setup.
19	CD track memory store.	Tuner preset store.	-	-	-
20	-	-	DVD chapter/title mode.	DVD chapter/title mode.	-
21	-	-	DVD OSD activate.	DVD OSD activate.	-
22	-	-	DVD menu select.	DVD menu select.	-
23	AV SETUP MODE SELECT - Surround decoder power on.				
24	-	-	-	-	Surround decoder mode setup.
25	-	-	-	-	Surround decoder noise setup.
26	-	Tuner stereo/mono.	-	Surround decoder stereo mode select.	Surround decoder input setup.

* Decoder may require optional software upgrade to activate this feature.

TROUBLESHOOTING GUIDE

If your *Cyrus DAC XP* is not operating properly, disconnect the power and carefully check all connections and the set-up procedure using the notes in this handbook. If problems persist, the checklists below may help.

If you are in any doubt, consult your dealer.

No sound from any speaker with any source	
Power amplifiers not switched on.	Switch on all of the system amplifiers.
Outputs to amplifiers not correctly connected.	Switch off the power to the audio system and check that connections have been correctly made from the <i>DAC XP</i> to the system amplifiers and speakers.
No sound from one source	
Incorrect source selected.	Check source selection.
Input named incorrectly.	Check that the input is correctly named.
Pause may have been set.	Check the source.
Incompatible audio format.	Check the audio format of the disc/tape to ensure it is compatible with the <i>DAC XP</i> .
Input not correctly connected.	Switch off the power to the audio system and check that connections have been correctly made from the source to the <i>DAC XP</i> .
Loud noises from the speakers with certain sources or discs	
Incompatible audio format.	Check the audio format of the disc/tape to ensure it is compatible with the <i>DAC XP</i> .
No sound from one loudspeaker	
Balance control at extreme limit.	Centralise Balance control.
Does your speaker have fuses?	Check speaker, replace fuses.
Power amplifier faulty.	The power amplifier(s) can be tested by exchanging left and right output channels from the <i>DAC XP</i> . Switch off the power to the audio system before making any changes to the connections.
Remote control not operating	
Remote control not operating (lights on remote are weak or not flashing when commands are sent).	Check batteries.
Remote control not operating (lights on remote are flashing correctly).	Ensure that the correct system has been selected on the remote for the system components you are operating.

If a fault condition still remains, return the *DAC XP* (together with the *PSX-R* if you are using one) to your *Cyrus* appointed dealer or an authorised Service Centre.

WARRANTY

The warranty card enclosed should be completed by the Dealer and the purchaser and returned to *CYRUS* or its Distributor 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 Dealer 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 guarantee.
- 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.

Specifications

Power Supply

Voltage: As plate on rear of unit
 Power consumption (Standby) 20W
 Power consumption (Operational) 22W
 EMC & Safety Compliance (230V) CE
 EMC & Safety Compliance (115V) FCC, cCSAus

Enclosure

Dimensions (WxHxD) 215 x 75 x 365mm
 Weight 6.5Kg
 Material Die cast chassis

Audio Performance

Analogue Inputs

Input Sensitivity 200mV
 Input Impedance 47kΩ
 Input Overload level (1kHz, 0.01%THD) 4.3V
 S/N ratio, (500mV i/p, max.vol.) 100dBA
 THD+N, (500mV i/p, max.vol.) 0.002%
 Channel separation (1kHz) 85dB

Digital Inputs

Input voltage 500mV pk-pk
 Input Impedance 75Ω
 S/N ratio, (PCM in, 0dBFS) 115dBA
 THD+N, (PCM in, 0dBFS) 0.002%

Analogue Outputs

Output voltage (dig. in, vol max) Fixed out 2.3V
 Pre out 4.4V
 Balanced out 8.4V
 Output Impedance 300Ω

CYRUS AUDIO LTD

Ermine Business Park, Huntingdon, PE29 6XY
Tel: +44 (0) 1480-435577, Fax: +44 (0) 1480-437715
E-mail: info@cyrusaudio.com Internet: www.cyrusaudio.com

AUSTRALIA: Crestmore Pty Ltd

PO Box 199, North Turramurra, NSW 2074
Tel: +61 29 482 3922 Fax: +61 29 482 3699
Email: crestmore@ans.com.au

AUSTRIA: Cyrus Audio

Ermine Business Park, Huntingdon, PE29 6XY, England.
Tel: +44 1480 435577 Fax: +44 1480 437715
E-mail: info@cyrusaudio.com

BELGIUM: Limit Group BVBA

Pierre Corneliskaai 17, 9300 Aalst, Belgium
Tel: +32 53 76 77 20 Fax: +32 53 76 73 41
E-mail: info@limitgroup.com

CANADA: Europroducts Marketing Ltd

720 Sixth St Suite 386, New Westminster, BC V3L 3C5
Tel: +1 604 522 6168 Fax: +1 604 522 1995
E-mail: europroducts@shaw.ca

DENMARK: SAS Scandinavia

HC Jeppensens Alle 6, DK2670 Mosede.
Tel: +45 4343 1777 Fax: +45 4343 1767
E-mail: info@sas-audio.dk

FINLAND: La Gamma Syntesis OY

Karajapolku 13, 14300 Renko
Tel: +358-36526176 Fax: +358-36526178
E-mail: p.orlandini@lagammasyntesis.fi

FRANCE: Audio Marketing Services

1 Rue Jean Perrin, Le Blanc Mesnil, Paris, 93150
Tel: +33 1 55 81 00 70, Fax: +33 1 48 67 31 47
Email: info@audiomarketingservices.fr

GERMANY: Cyrus Audio

Ermine Business Park, Huntingdon, PE29 6XY, England.
Tel: 0800 101 3169
E-mail: info@cyrusaudio.com

GREECE: Orbilux Hellas

29km National Road, Athens-Lamia, 190 14 Afidnes
Tel: +30 2295 023304
E-mail: spyros@orbilux.net

HOLLAND: TES Nederland BV

Coenecoop 81A, 2741 PH, Waddinxveen
Tel: +31 1826 12669, Fax: +31 182614765
Email: info@tesnl.demon.nl

HONG KONG: Sound Concepts

Room 704, Yee Kuk Ind Ctre, 555 Yee Kuk St, Cheung Sha Wan,
Kowloon, Hong Kong.
Tel: +852 2386 3113, Fax: +852-2386-3666
E-mail: info@hksoundconcepts.com

ICELAND: Radiobaer EHF

Armula 38, PO Box 8933, 128 Reykjavik
Tel: +354 553 1133 Fax: +354 588 4099
E-mail: radiobaer@radiobaer.com

IRELAND: Audio Vision Import Ltd

Acoustic House, John F Kennedy Drive, Nass Road, Dublin 12
Tel: +353 1 450 4855 Fax: +353 1 450 4870
E-mail: info@avi.ie

ISRAEL: AL Audio

PO Box 26, Raanana 4301
Tel: +972 995 17667 Fax: 972 99517669

ITALY: GTO Srl

Via Castelle 48, 40068, San Lazzaro di Savena
Tel: +39 051 6271447 Fax: +39 051 6278317
E-mail: info@gto.it

KOREA: Zen Audio

#49, 4F Kukje-Elec center, Seocho Dong, Seocho Gu, Seoul.
Tel: +822 345 38662 Fax: +822 345 38501
E-mail: tommykim7@naver.com

NEW ZEALAND: Crestmore Pty Ltd

Unit A4, 1066 Great South Road, Mt. Wellington, Auckland
Tel: +64 9 270 4001 Fax: +64 9 270 4007
E-mail: crestmore@ans.com.au

NORWAY: SAS Scandinavia

Industrivej 30, Brondby, DK 2605, Denmark
Tel: +45 4343 1777 Fax: +45 4343 1767
E-mail: info@sas-audio.dk

POLAND: Intrada SC

Ul Szewska 18A, 61-760 Poznan
Tel: +48 61-6624098 Fax: +48 61-8551080
E-mail: gogul@hi-corner.pl

PORTUGAL: Diper CAF Lda

Rua Veloso Salgado 971-C, 4450 Leca Palmeira
Tel: +351 22 Fax: +351 2 9968248
E-mail: diper@mail.telepac.pt

PRINCIPALITY OF ANDORRA: Ischia

C/Les Boigues S/N Ed Racel, Escaldes - Engordany
Tel: +376 822651 or Fax: +376 824732
E-mail: ischia@ischia.ad

RUSSIA: NEXT Company

Granatniy per 3-2, Moscow, 103889
Tel: +7 095 290 6007 or 3109 Fax: +7 095 2902864
E-mail: info@next-hifi.ru

SINGAPORE: Asia Sound Equipment(s) Pte Ltd

1 Coleman Street, #4-49/62 The Adelphi, 179803
Tel: +65 2596120 Fax: +65 2596617
E-mail: dthk33@singnet.com.sg

SWEDEN: SAS Scandinavia

Industrivej 30, Brondby, DK 2605, Denmark
Tel: +45 4343 1777 Fax: +45 4343 1767
E-mail: info@sas-audio.dk

SWITZERLAND: Montana Audio Systems GmbH

Allmendstrasse 14, CH 8320, Fehraltorf
Tel: +41 1 955 0101 Fax: +41 1 955 0303
Email: info@montana-audio.ch

UKRAINE: Leater

102 Gorkogo St, Office 2, 03150 Kiev
Tel: +380 442611646 Fax: +380 442683441
E-mail: leater@mail.ru

USA: The Sound Organisation

11140 Petal St, Suite 350, Dallas, TX75238
Tel: +1 972 234 0182 Fax: +1 972 234 0249
Email: steve@soundorg.com
