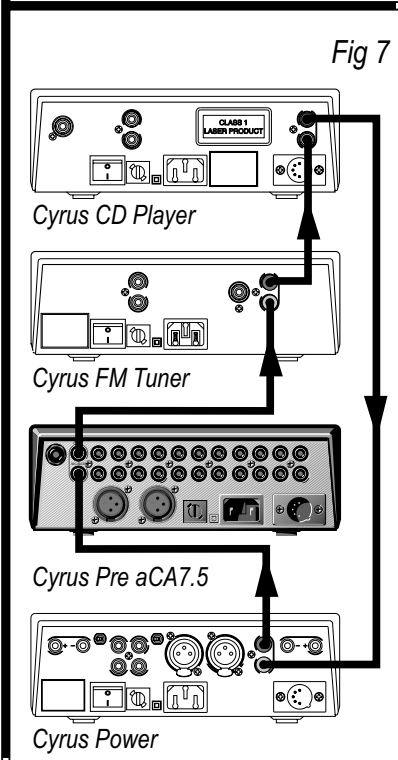
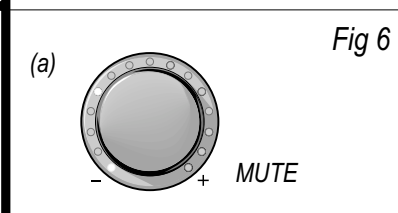
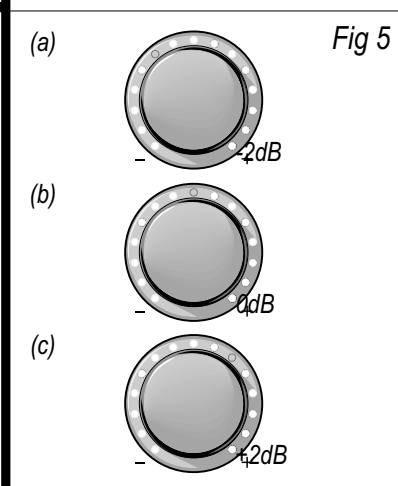
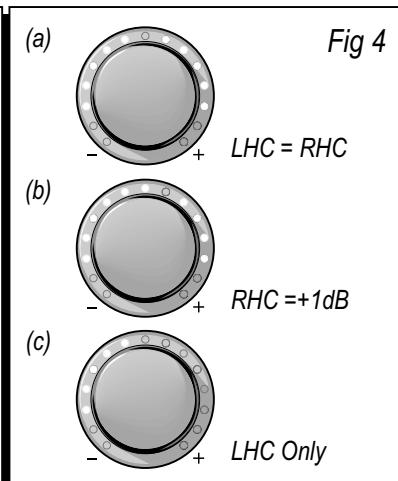
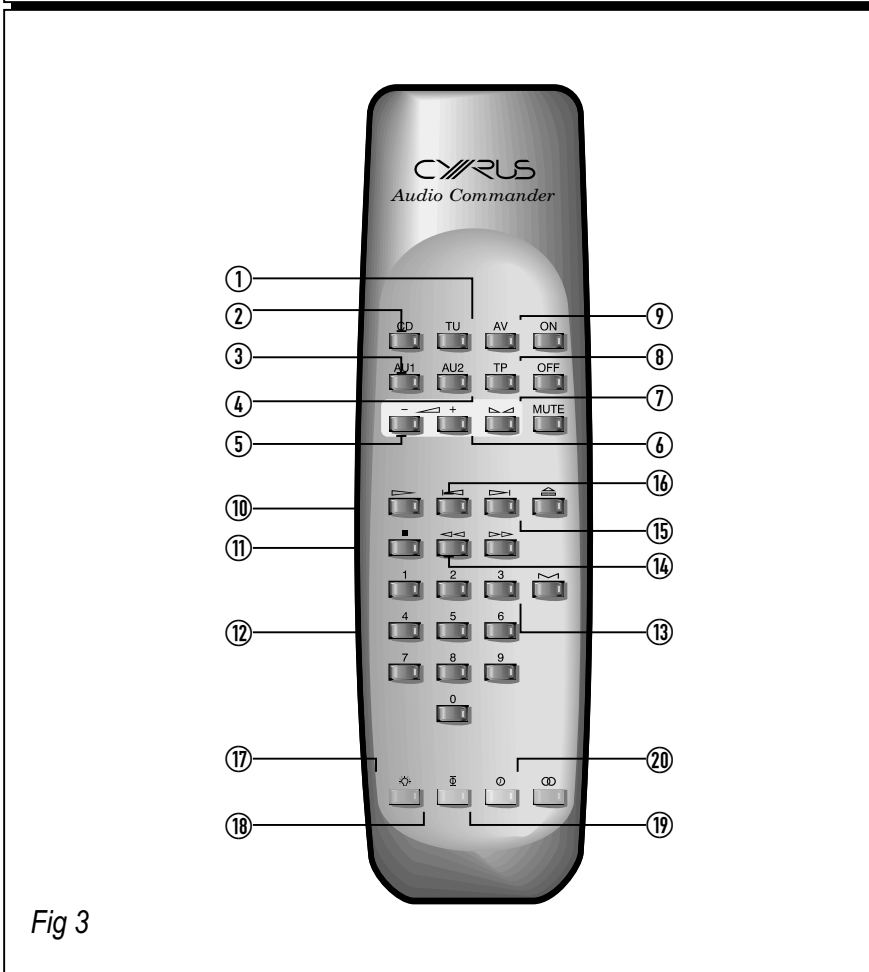
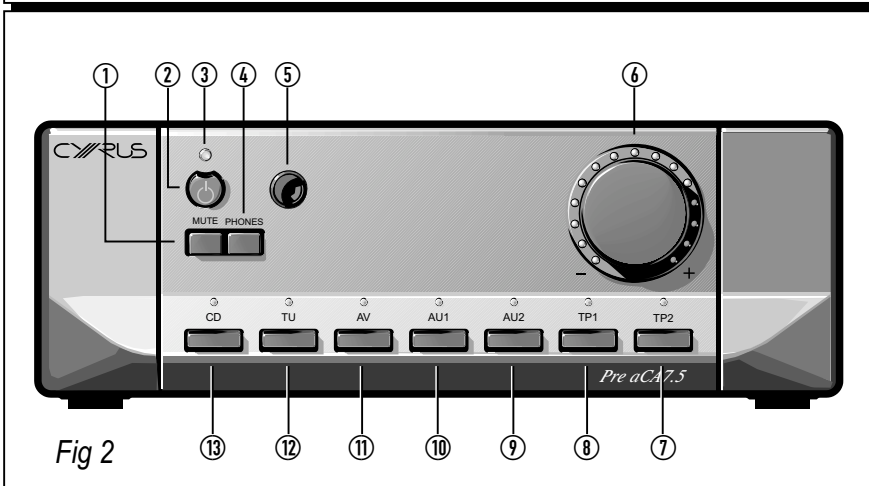
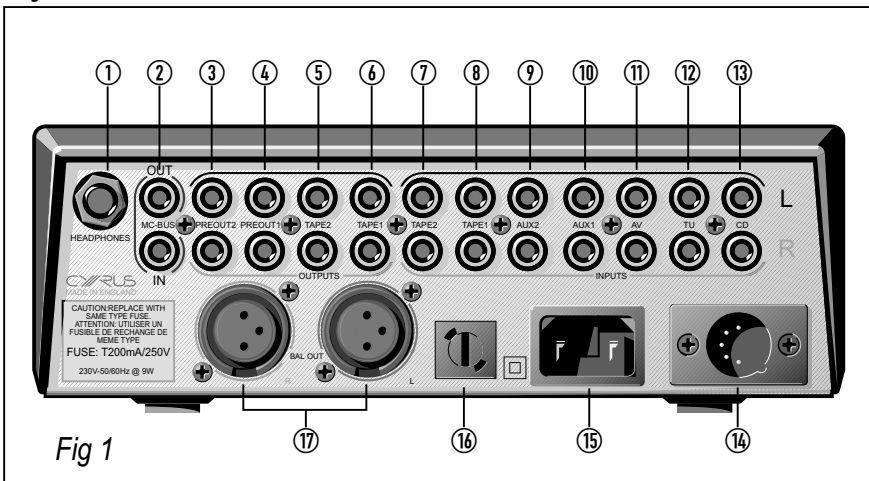


User Instructions
Cyrus Pre aCA7.5

Cyrus Pre aCA7.5



User instructions

Pre aCA7.5

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: (Refer to Fig.1)

Connect the moulded IEC connector of the AC cord supplied plugs into the power inlet Ⓜ on the rear of the unit. The mains fuse Ⓜ is on the rear panel next to the power switch. It must only be replaced as follows:

U.K. / Europe 230V T200mA L 20mm

The mains supply requirement for your *Pre aCA7.5* 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

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

NOTE FOR UK CUSTOMERS:

The *Pre aCA7.5* 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.

PRODUCT SERVICE CENTRES

For product service or technical advice, contact only authorised *Cyrus* service centres. The *Cyrus* distributors are listed at the end of this instruction manual.

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.

Please read these instructions carefully before commencing installation. They provide full guidance to help you install your *Pre aCA7.5* safely and correctly.

Preparations for Installation

Before installing the *Pre aCA7.5* check that the following items are included in the accessory box.

- Warranty Card (with instruction manual)
- Power Cable
- Remote Handset
- 2 MC-Bus cables

After removing these items, please retain the packaging.

Install the *Pre aCA7.5* in a well ventilated location away from sources of high temperature, dust or humidity. Never stand the *Pre aCA7.5* under another unit or on any surface likely to obstruct its cooling or ventilation.

INSTALLATION (Refer to Fig 1):

Key to the rear panel drawing:

1. Headphone Output	10. Aux 1 Input
2. MC-Bus System Connection	11. AV Input
3. Pre-Amplifier Output 2	12. Tuner Input
4. Pre-Amplifier Output 1	13. CD Input
5. Tape Recorder Output 2	14. PSX-R Connection
6. Tape Recorder Output 1	15. Power Inlet
7. Tape 2 Input	16. Mains Fuse Holder
8. Tape 1 Input	17. Balanced Outputs
9. Aux 2 Input	

Connecting to the AC Mains Supply

Connect the socket on the AC Power cable to the Power inlet ⑮ on the rear panel of the *Pre aCA7.5*. Now connect the cable to a suitable AC power point.

Connecting a Power Amplifier

Connect a phono cable from the Pre-amplifier 1 Output sockets ④ to the input of your power amplifier. The additional Pre-amplifier 2 Output is provided to feed twin power amplifiers for bi-amping.

If the power amplifier is located a long way from the *Pre aCA7.5*, the Balanced outputs ⑰ are recommended. In this case connect suitable Balanced connection cables between the *Pre aCA7.5* and a suitable balanced input of the power amplifier.

Connecting Signal Inputs

Connect a phono cable between each component and the sockets as marked on the rear panel. Ensure left and right channels are correctly connected. The *Pre aCA7.5* has inputs for CD Player -CD ⑩, a tuner - TU ⑪, a Home Theatre decoder - AV ⑫ and two auxiliary inputs – AU1 ⑬ and AU2 ⑭ which can be used to connect a wide variety of products. Check the specification of these products before connecting to your *Pre aCA7.5*.

Connecting a Turntable

The *Pre aCA7.5* is a line level amplifier. To play a turntable through your unit an external phono pre-amplifier is required.

Connecting Tape/Disc recorders

A tape recorder may be connected to the *Pre aCA7.5* in two ways- if a full tape monitor circuit is required (for three-head cassette decks etc) connect the tape recorder to TP2. If tape monitor is not required connection to the TP1 input is recommended.

To connect the tape recorder you will need two phono cables. Connect one cable from the Output or Playback sockets of the tape deck to the appropriate Tape Input – TP1 IN ⑥ or TP2 IN ⑦ of the *Pre aCA7.5* and a second cable from the Input or Record sockets of the tape deck to the Tape Record Output sockets of the *Pre aCA7.5*.

NOTE:- If the main system tape recorder is connected to TP2, a second tape recorder may additionally be connected to TP1. This facility enables tape copies to be made from TP1 to TP2.

Connecting Headphones

The headphones socket ① is a standard 6.35mm (1/4") stereo jack socket for connection to a pair of headphones. Headphones may be permanently connected to the amplifier and selected when required with the front panel switch.

MC-BUS System (Refer to figs 1 & 7)

Connecting the MC-BUS sockets ② of the *Pre aCA7.5* in an MC-BUS system provides unified system control. 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 in a daisy-chain. Complete the loop by returning the MC-BUS output of the final component to the MC-BUS input of the first.

With MC-BUS established you can control the power function of the entire system from the *Pre aCA7.5*, from the front panel or remote control. Selecting 'CD' from the front panel will switch on the *Pre aCA7.5*, the *Cyrus Power* and a *Cyrus CD* player. When the *Pre aCA7.5* is set to Standby, the entire system will also switch off.

When a *Cyrus Surround Processor* is in the MC-BUS loop, setting of the volume calibration level will take place automatically when *Pre aCA7.5*'s AV input is selected. Refer to the handbook for *AV-master* or *AV5* for further details.

External Regulated Power Supply - PSX-R

The *PSX-R* is a unique DC power supply which will upgrade the sonic performance of your *Pre aCA7.5* and enhance its current drive. When a *Pre aCA7.5 / PSX-R* combination is installed, analogue and signal related sections of the *Pre aCA7.5* are powered from this clean, stable power source 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.

To connect the *PSX-R* to the *Pre aCA7.5* plug the connector on the umbilical cord of the *PSX-R* into the Multi-Pole socket on the rear of the *Pre aCA7.5* (⑱ Fig.1) You will need a mains supply for both units.

OPERATION (Refer to fig 2)

Key to the front panel drawing:

1. Mute Switch	8. TP1 Input
2. Standby Switch	9. AU2 Input
3. Standby Light	10. AU1 Input
4. Headphone Switch	11. Video (AV) Input
5. Remote Eye	12. Tuner Input
6. Level Control	13. CD Input
7. TP2 Tape Monitor	

Power

When power is applied, the STANDBY key ② is used for power control. The Standby light ③ shows green when the *Pre aCA7.5* is operating and glows red when in standby mode. The *Pre aCA7.5* will switch from standby to on, when any input key ①-⑬ is selected.

In regular use the *Pre aCA7.5* should be connected permanently to the mains power supply. When left unattended for a long period (vacations etc) it should be disconnected from the AC supply.

When the *Pre aCA7.5* is switched to Standby, all settings for input selection and Volume/Balance are retained.

Selecting an Input

The INPUT SELECT keys ①-⑬ switch selected input sources. When an input key is selected, the red indicator above the key will turn on.

Tape/Disc Playback and Recording

Playback: You can play back a recording by selecting the appropriate key TP1 ⑥ (for a tape recorder connected to TP1) or TP2 ⑦ (for a tape recorder connected to TP2). When TP2 is selected the indicator above the selected key will light in addition to the selected source. To cancel TP2, press the TP2 key again. If the tape recorder has a three-head facility, selecting the TP2 key will monitor the recording directly from the third head, whilst recording.

Recording: To record, select an input to record with the relevant Key ①-⑬ and follow the recording instructions in your tape deck manual.

Copying: Tape copies may be made when playing a tape from the TP1 input to a tape recorder connected to the TP2 circuit of the *Pre aCA7.5*.

Note: You cannot record from Tape 2 to Tape 1.

Volume and Balance (Refer to fig 4)

The LEVEL CONTROL ④ of the *Pre aCA7.5* performs the dual functions of volume and balance.

Volume: In normal mode the LEVEL CONTROL controls the volume in 1dB steps. The light ring around the knob is calibrated to show the current loudness level. When the volume is at minimum the first indicator on the light ring will be RED. As the volume increases a GREEN light moves clockwise around the ring. The volume setting is stored when the unit is set to standby.

Balance: Press the BALANCE control key on the remote control ④ to change the mode of the front panel LEVEL CONTROL ④ to that of Left/Right Balance. The light ring works in "reverse video" with the unlit section indicating the position of L-R balance. You can alter L-R balance by up to +/-4dB or switch one channel off when the control is turned to an extreme.

Mute

Pressing the MUTE Key ① will fade the volume to minimum level without disturbing the existing setting. When muted the RED minimum level indicator will light as well as the existing GREEN light to show that the output is muted. Move the volume knob up or press the Mute key to fade back up to the original volume setting.

Listening to headphones

To listen to headphones, press the PHONES key ④. The MUTE light at the bottom of the light ring will now glow orange. The speakers will now be muted for headphone listening. Press the PHONES key ④ again to restore loudspeaker operation.

NOTE: The HEADPHONES key ④ only operates when headphones are connected to the rear panel socket of the *Pre aCA7.5*.

Caution: If you have been listening to headphones at high volume, be sure to turn the level down *before* you switch to normal loudspeaker operation.

Programmable Input Sensitivity (Refer to fig 5)

You may find an audible difference in level when switching from one input to another due to the differing outputs of your source components. The unique calibration memory of the *Pre aCA7.5* can be programmed to match the sensitivity of all inputs with reference to the CD input. To program an offset:

1. Select CD input and set the volume control to a comfortable listening level.
2. Select the desired input and hold the input key down. The volume display switches to show input offset.
3. Adjust the level to the same audible volume as the CD player. The display will read the offset applied.
4. Press the input key again to store this setting.

Repeat Steps 2 - 4 for each input to set the appropriate sensitivity level.

Fig. 5(a) - 5(c) shows settings for Input Sensitivity levels set -2 dB, 0dB and +2dB relative to the CD input respectively.

CYRUS AUDIO COMMANDER (Refer to Fig 3)

To insert the batteries. Remove the battery cover on the rear of the handset. Insert 4 AAA batteries observing all the polarity markings. Replace the compartment cover.

Operating the Cyrus Audio Commander

Key to the Audio Commander drawing (Fig. 3)

Keys 1 -9 operate the *Pre aCA7.5*

1. Select the AV input
2. Select CD or TU inputs
If you have a *Cyrus CD Player* or *Cyrus FM7 Tuner*, pressing a key will switch the appropriate unit on together with the *Pre aCA7.5*.
3. Select AU1 or AU2 input
4. Select TP1
5. Adjust Volume
6. Select BALANCE
7. Select MUTE
8. Switch OFF all *Cyrus* units
9. Switch ON the *Pre aCA7.5*.

If CD or TU inputs have been selected with the Audio Commander, the following keys 10-20 will control a *Cyrus CD Player* or the *Cyrus FM7/FM7.5 Tuner*-

10. Select Play *Cyrus CD Players*
11. Select Pause *Cyrus CD Players*
12. Numeric Keypad *Cyrus CD Players & FM7/FM7.5*
13. Store a Program *Cyrus CD Players*
Store a Preset *Cyrus FM7/FM7.5*
14. Select FAST FWD / REV *Cyrus CD Players*
Auto tune - SEEK UP / DOWN *Cyrus FM7/FM7.5*
15. Select STOP / EJECT *Cyrus CD Players*
16. Select NEXT/PREVIOUS track *Cyrus CD Players*
Select Preset UP / DOWN *Cyrus FM7/FM7.5*
17. Switch Display On / Off *Cyrus CD Players & FM7/FM7.5*
18. Set Absolute Phase *Cyrus dAD3 CD Player*
Set Repeat *Cyrus dAD1 CD player*
19. Select Elapsed Time / Time remaining *Cyrus CD Players*
20. Select MONO / STEREO *Cyrus FM7/FM7.5*

TROUBLESHOOTING GUIDE

If your *Pre aCA7.5* is not operating properly, disconnect the power and check carefully all connections.

If you are in any doubt, consult your dealer.

No sound	
<i>Pre aCA7.5</i> in Standby	Bring unit out of Standby (Standby light - GREEN)
Power Amplifier switched off or in Standby	Bring unit out of Standby (Standby light - GREEN)
Mute is on (RED light on Vol. Ring)	Deselect Mute
Tape Monitor on (RED tape light)	De-select Tape 2
Source not working (e.g. CD not playing)	See 'Fault Indication System'
No sound from one loudspeaker	
BAL control at extreme limit	Centralise Balance
Does your speaker have fuses?	Check speaker, replace fuses
Speaker cables / interconnects faulty	Check connections, cables - replace if needed
Spurious noises from speakers	
Interconnects or connections faulty	Check, replace where necessary
No response from any keys	
Switch off at rear panel, wait one minute and switch on. The problem should clear	

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 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.

SPECIFICATIONS

Power Supply

Voltage: As plate on rear of unit

Power Consumption

Standby 2W

ON 9W

EMC & Safety Compliance..... EN60065

Enclosure

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

Weight 3.1Kg

Material..... Die cast chassis

Audio Performance

Input Sensitivity 200mV

Input Impedance 50kΩ

Output Voltage (Pre1/Pre2)..... 381mV

Output Voltage (bal) 775mV

Output Impedance (Pre1/Pre2) 75Ω

Frequency Response (-3dB) 0.1Hz, 88kHz

Signal to Noise Ratio (A-WTD) 105dBA

THD+N, 1kHz <0.002%

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