

*User Instructions*  
*Cyrus Straight Line*



Congratulations on the purchase of your *Cyrus Straight Line* Amplifier. This piece of equipment is a precision manufactured state-of-art product, constructed to the highest standards and specifications. This manual contains installation and operating instructions to enable the user to connect up and operate the amplifier correctly, thus ensuring the greatest satisfaction and long term use. This instruction manual is divided into seven sections.

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To enable you to make full use of this amplifier we suggest that you read these sections which will explain the fundamental operations of the unit.

**UNPACKING**

Always follow the instruction handbook and retain it in a safe place for future reference.

Before proceeding with installing the *Cyrus Straight Line*, ensure that the following items are included in the accessory box:

- Instruction Manual
- Power Cable
- 4 Loudspeaker Plugs
- Guarantee Card

After removing these items, please retain the packing for future use.

**CAUTION**

**POLARISED CONNECTOR (115V PRODUCTS ONLY)  
CONNECTOR POLARISE (PRODUITS 115V SEULEMENT)**

To prevent electrical shock, match wide blade of plug to wide slot and fully insert

Attention: Pour éviter les chocs électriques, introduire la lame la plus large de la fiche dans la borne correspondante de la prise et pousser jusqu'au fond.

**SUPPLY VOLTAGE**

Your *Cyrus Straight Line* amplifier is factory set to operate from a fixed mains supply voltage, which is marked on a label at the rear of the unit. Before connecting, check that this voltage is the same as your mains supply, i.e.

230V Products	Voltage Range 220V-240V
115V Products	Voltage Range 110V-120V

**LOCATION**

Install the *Cyrus Straight Line* in a well ventilated location where it will not be exposed to high temperature or humidity.

Avoid installing the *Cyrus Straight Line* in a location which is exposed to direct rays of the sun, or near to hot appliances or radiators. Placing and using the amplifier for long periods on heat-generating sources will affect performance and may damage the cabinet. Installation in a damp or dusty environment may result in malfunction or accident.

**RE-LOCATION**

The *Cyrus Straight Line* is supplied ready for use in your location. Care has been taken to ensure that the power supply requirements are correctly set. Consult your Mission distributor to arrange for conversion of your

*Cyrus Straight Line* should you move to another area with a different mains voltage.

**PRECAUTIONS REGARDING INSTALLATION**

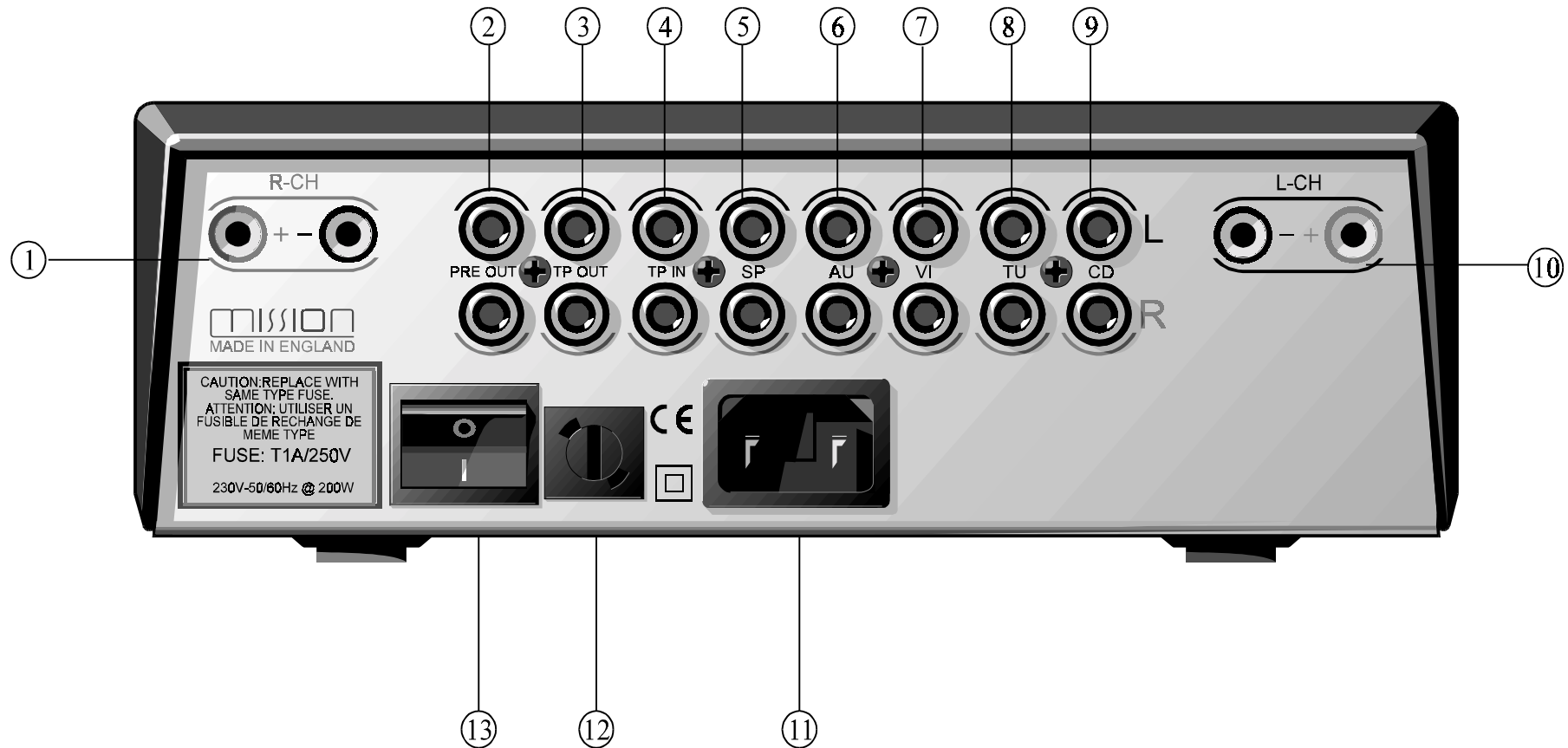
It is important not to allow any liquid or foreign object fall into this unit. When routing the power cord avoid running it over or near sharp objects.

If the *Cyrus Straight Line* is not to be used for a long period of time, unplug the unit from the mains power supply.

This unit contains no user serviceable parts, therefore **never** remove any panels from the unit or attempt to service the unit. In the unlikely event of failure, please refer to qualified service personnel.

**POSITIONING THE UNIT**

The *Cyrus Straight Line* may be positioned as a free standing unit or alongside another piece of audio equipment. Never stand the *Cyrus Straight Line* under other units which may adversely affect its efficient cooling. Never place the *Cyrus Straight Line* on a carpet or similar material which may hamper normal ventilation.



- 1. Right Speaker Output
- 2. Pre-Amplifier Output
- 3. Tape Output
- 4. Tape Input
- 5. Sp Input
- 6. Aux Input
- 7. Video Input

- 8. Tuner Input
- 9. CD Input
- 10. Left Speaker Output
- 11. Power Inlet
- 12. Mains Fuse
- 13. Power Switch

**CYRUS STRAIGHT LINE AMPLIFIER - REAR VIEW**

**CONNECTING POWER TO THE UNIT**

The moulded IEC connector of the mains lead supplied should be plugged in to the power inlet ⑪ on the rear of the unit.

The mains fuse ⑫ is located on the rear panel next to the power switch. It must only be replaced with the following types:

U.K. / Europe - 230V	T1A/20mm
N. America / Far East - 115V	T2A/20mm

In the U.K., the *Cyrus Straight Line* comes with the mains plug fitted. In the unlikely event that the plug fuse should need replacing ensure that it is only replaced with a 3 Amp Fuse.

**CONNECTING A TAPE RECORDER**

Two phono cables are necessary for connection of a tape recorder. Connect a phono cable from the Output or Playback sockets of the tape recorder to the Tape Input - TP IN ④ of the *Cyrus Straight Line*. Connect a second phono cable from the Input or Record sockets of the tape recorder to the Tape Record Output - TP OUT ③ sockets of the *Cyrus Straight Line*.

**CONNECTING OTHER INPUTS**

Connect a phono cable between each system component and the rear panel sockets as marked on the rear panel diagram. At all times observe the colour coding of the phono cable for left and right channel identification. The *Cyrus Straight Line* provides for connection of a CD Player - CD ⑨, a tuner - TU ⑧, a Home Theatre decoder - VI ⑦ and two auxiliary inputs - AU ⑥ and SP ⑤.

The AU and SP inputs can be used for connection of a wide variety of products such as a second CD player, tuner or VCR, an electronic keyboard, an organ or a second tape deck if only replay is necessary. Always check the technical specification of these products before connecting to your *Cyrus Straight Line*. Consult your dealer if in doubt.

**CONNECTING A TURNTABLE**

The *Cyrus Straight Line* is a line level amplifier. If you wish to play a turntable through your unit, you will need an external phono preamplifier.

**CONNECTING LOUDSPEAKERS**

The left and right loudspeakers are connected to the rear panel sockets ① and ⑩ respectively of the *Cyrus Straight Line* using the plugs provided. First, fit the plugs to the loudspeaker cables. Carefully note that the cable carries marking or colours for polarity, (+ and -) may also be marked for direction with an arrow. For correct operation, it is essential that the (+ and -) terminals of the *Cyrus Straight Line* are connected to the corresponding (+ and -) terminals of the loudspeakers. When fitting the plugs to the cables be sure to line up (+ and -) at each end. The loudspeaker plugs can now be fitted into the speaker sockets of the *Cyrus Straight Line*.

**POWER CONTROL**

The mains power switch ⑬ is located on the rear panel of the *Cyrus Straight Line* (refer to the rear panel drawing on page 4). This switch should be left on for normal operation, except when left unattended for a long period. In this case the mains power should then be switched off or the product disconnected from the AC supply.

Refer now to the front panel drawing on page 7.

When the *Cyrus Straight Line* is in regular use and the power is permanently on, the STANDBY key ① should be used

for power control. The Standby light ② will show red when the *Cyrus Straight Line* is off and green when operating.

**SELECTING AN INPUT FOR LISTENING**

Use the Input Selector switch ③ to select the desired source input. Remember to turn the volume control ⑤ to minimum when switching between sources.

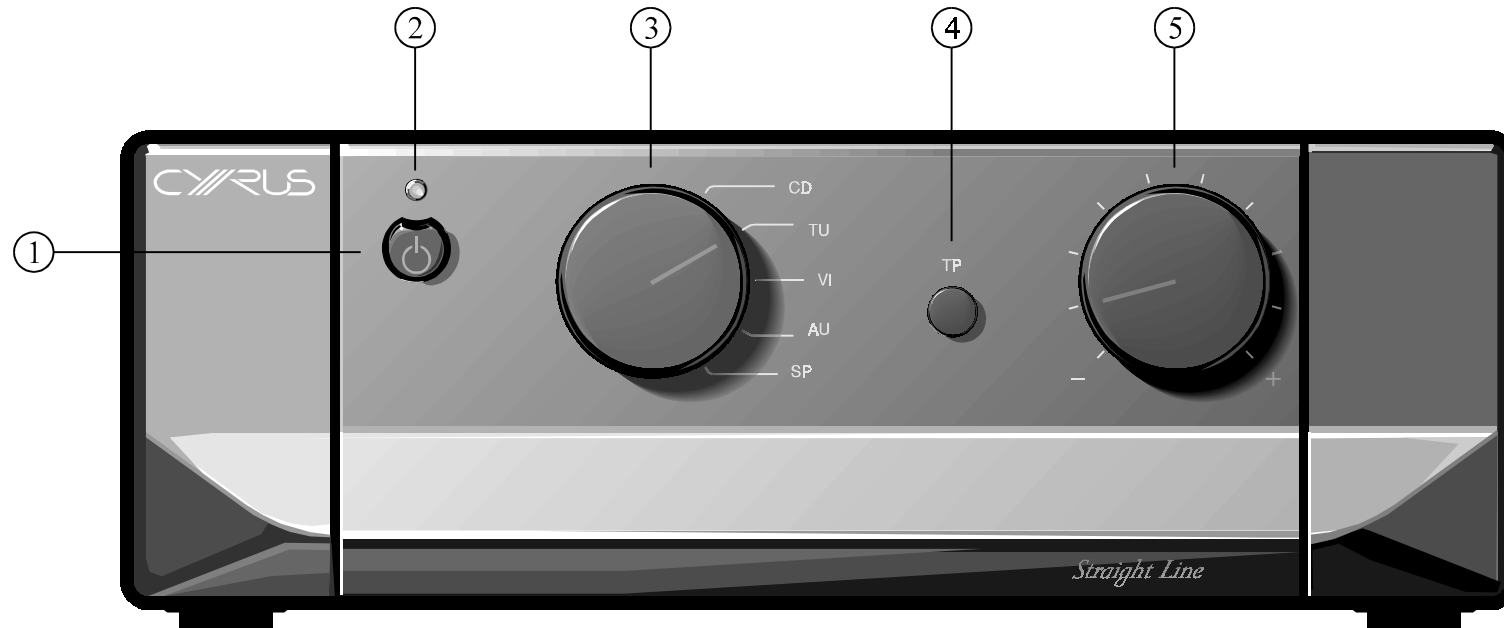
**RECORD AND PLAYBACK**

If the tape recorder connections are made according to the previous instruction in this manual, then you will be able to listen to a recording by selecting the TAPE MONITOR switch - TP ④.

To cancel this, press the TP switch again. If your tape deck have a three-head facility, then you can use the TP switch to monitor the recording quality directly from the third head, whilst recording. You can record from a source by selecting the appropriate input on the input selector and following the instructions in your tape deck manual.

**VOLUME CONTROL**

The VOLUME CONTROL ⑤ of the *Cyrus Straight Line* follows a logarithmic law. This means that as you turn the control up or down, the amplifier volume level tracks your hearing pattern in a stable and consistent manner.



1. Standby Switch
2. Standby Indicator
3. Input Selector
4. Tape Monitor
5. Volume Control

***CYRUS STRAIGHT LINE AMPLIFIER - FRONT PANEL VIEW***



**KNOW YOUR *CYRUS STRAIGHT LINE*****Power**

- When powered up from the mains switch on the rear panel, the *Cyrus Straight Line* will enter Standby mode.
- When switched to Standby, the power amplifier section of the *Cyrus Straight Line* is shut down to ensure minimal power consumption and reduced heat generation.

**Volume and Balance**

- The volume control system of your *Cyrus Straight Line* is a precision engineered potentiometer which has been chosen for its musical transparency. The inter-channel tracking of this unit is maintained to a very high standard.
- In order to preserve the purity of the signal path, your amplifier is not equipped with a balance control

**Bi-amping / Tri-amping**

- The buffered pre-amplifier output of the *Cyrus Straight Line* may be used in conjunction with added power amplifier blocks to upgrade your loudspeaker system through Bi-amping or Tri-amping. The *Cyrus Power* is recommended for this application.

**USING YOUR *CYRUS STRAIGHT LINE***

In all audio systems, the audible volume from the speakers will change in level when switching from one music source to another due to the differing output sensitivities of each source component. This is particularly the case with CD players which frequently have output levels very much greater than other programme sources.

For safety and to preserve the longevity of your equipment:

1. Ensure the volume control is always set to minimum before selecting any source.
2. Select the input required.
3. Adjust the level control to give a comfortable listening level leaving a margin of headroom for the amplifier to work in.
4. NEVER turn up the volume 'as loud as it will go'. If audible distortion is observed, the level is too high and may cause damage to your amplifier and loudspeakers.

**TROUBLESHOOTING GUIDE**

If you suspect that your *Cyrus Straight Line* is not operating properly, disconnect the power and check carefully all connections against the installation section of this handbook. If problems persist, the checklists in this section may help. If in any doubt, consult your local dealer.

**No Sound from either Speaker**

- Check that the *Cyrus Straight Line* is on. The green power light should be "ON".
- Check that the relevant programme source is selected and is working. For example the CD Player is playing.
- Check that the Tape Monitor is not selected inadvertently.

**No Sound from one Speaker**

- If your loudspeakers are fitted with protection fuses, check that the fuse is intact.
- Check the interconnect cable integrity on the rear panel and at source. If possible use another interconnect cable.
- Check the speaker cable connection integrity of the missing channel.

**Spurious Sounds from the Loudspeakers**

If you experience strange or unusual noises from your system, proceed as follows:

- Select another source to ensure that this is not a common problem. If the problem remains, switch the *Cyrus Straight Line* off at the rear panel and turn it on again after a few seconds.
- If the problem is limited to a single source, check the integrity of the interconnection to the source and in the case of a phono turntable, check that the phono ground wire is secured at the rear panel of the associated preamplifier.

**AMPLIFIER MAINTENANCE**

There are no user serviceable parts in the *Cyrus Straight Line* so there is no reason to remove any of the panels. After disconnecting the mains power supply, the cabinet may be cleaned using a chamois leather, slightly moistened with water. DO NOT use cleaning agents containing alcohol, spirits, ammonia or abrasives.

**AUDIO PERFORMANCE**

Input Sensitivity .....	Line .....	200mV
Input Impedance .....	Line .....	20kΩ
Frequency Response (-3dB) ...	Line .....	4.5Hz, 80kHz
Signal to Noise Ratio.....	Line .....	107dBA
Power Output.....	8 Ohms .....	50W
THD+N (PRE - AMP).....	Line .....	<0.004%
THD+N (both channels driven, 1kHz, 2/3 power)		
.....	8 Ohms .....	<0.005%

**POWER SUPPLY****Voltage**

See the plate attached to the rear of unit

**Power Consumption**

Standby .....	(12W)
ON (No Load).....	(23W)
ON (2 x 50W/Ch) .....	(185W)
Safety Requirements.....	EN60065

**ENCLOSURE**

Dimensions (WxHxD) .....	215 x 75 x 365 mm
Weight .....	4.6Kg
Material .....	Die cast chassis

The company reserves the right to change this specification without prior notice.

**THE MISSION/CYRUS GROUP MANUFACTURES**

- Domestic Loudspeaker Systems
- Loudspeaker Stands
- Loudspeaker Cables
- Automotive Loudspeaker Systems
- Compact Disc Players
- D-to-A Converters
- Domestic Amplifiers
- Automotive Amplifiers
- Tuners
- Home Theatre Processors
- Regulated Audio Power Supplies
- Isoplat (Vibration Isolation Platform)

This guarantee only becomes effective if the guarantee card enclosed is completed by the Dealer and the purchaser and returned to MISSION or Distributor within 8 days of purchase.

This guarantee excludes:

- i) All damage caused through accident, misuse, wear and tear, neglect or through incorrect installation, adjustment or repair by unauthorised personnel.
- ii) Liability for damage or loss occurring in transit to or from the purchaser.

Claims under this guarantee must, whenever possible, be made through the Dealer from whom the equipment was purchased or if that is not convenient, through another authorised MISSION/CYRUS dealer.

MISSION shall not be liable for any consequential damage, loss or injury whatsoever, arising from or in conjunction with this equipment.

The cost of carriage (to or from the Dealer) shall be borne by the purchaser.

This guarantee is personal to the original Purchaser and is not transferable.

If equipment is found on examination to comply with the published specification, MISSION reserves the right to make a charge for examination and for return carriage.

No Dealer or Distributor has any authority to vary the terms of this guarantee.

Any unauthorised servicing will result in loss of guarantee.

We strongly recommend that you retain the sales receipt for your *CYRUS* equipment in case of any warranty claim.

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

