

**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 mains supply requirement for your *Cyrus AV Master 8.0* 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 AV Master 8.0* 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.

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*"DTS" and "DTS Digital Surround" are registered trademarks of Digital Theater Systems, Inc.*

## 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 AV Master 8.0* safely and correctly.

## Preparations for Installation

Before installing the *AV Master 8.0* check that the following items are included in the accessory box.

- Warranty Card (with instruction manual)
- AC Mains Cable
- Remote Control Handset and battery
- 2 MC-Bus phono cables
- 3 Pairs of BFA speaker plugs

After removing these items, please retain the packaging.

Install the *AV Master 8.0* in a well ventilated location away from sources of high temperature, dust or humidity. Never stand the *AV Master 8.0* under another unit or on any surface likely to hamper its cooling or ventilation.

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. MC-Bus connections	10. Input 1 Optical
2. Front preamp outputs	11. Input 3 Digital
3. Surround preamp outputs	12. 12V DC trigger
4. Back preamp outputs	13. Sub-woofer output
5. Centre preamp output	14. L/R power amp selector
6. Input 6 Analogue	15. Power inlet
7. Input 5 Analogue	16. Centre speaker output
8. Input 4 Digital	17. Right speaker output
9. Input 2 Optical	18. Left speaker output

## Connecting to the AC Mains Supply

Connect the socket on the AC Power cable to the Power inlet ⑩ on the rear panel of the *AV Master 8.0*. Now connect the cable to a suitable AC power point.

There is no mains power switch on the *AV Master 8.0*. To switch off the mains supply to the *AV Master 8.0*, remove the plug from the wall outlet. For this reason, ensure that the plug is easily accessible when installing the unit.

## Connecting Digital Audio Sources to the AV Master 8.0

The Digital Audio inputs (Input 1 – Input 4) of the *AV Master 8.0* are compatible with a number of different digital audio sources. These include-

- Digital Audio output from a CD player
- DVD players (see specifications for decoding system compatibility details)
- Digital tape/disc recorders
- Digital Radio (DAB) receivers
- Digital Satellite receivers
- Games machines & Personal Computers

Using a suitable Toslink optical or Digital phono interconnect, connect each digital audio source to one of the inputs 1–4. Make a note of the input number used for each source as the inputs of the *AV Master 8.0* can be re-named at the set-up stage.

## Connecting Analogue Audio Sources to the AV Master 8.0

The Analogue Inputs (Input 5 - Input 6) are available for the connection of analogue audio sources to the *AV Master 8.0*. These include-

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

Using a suitable audio phono interconnect, connect each analogue audio source to one of the inputs 5–6. Make a note of the input number used for each source as the inputs of the *AV Master 8.0* can be re-named at the set-up stage.

## SCART Connectors

Some TVs, Video Recorders and DVD players have 21 pin SCART style connectors for analogue audio and video input/output. These may be connected to the *AV Master 8.0* using a suitable SCART/phono interconnect or SCART/phono adaptor.

## Video Connections

For audio-visual sources (TV, Video recorder, DVD etc.) a separate video connection must be made from each source to a video line input of the TV. Some TVs will offer a choice of video connections.

NOTE:- No video connections are made to the *AV Master 8.0*.

## Connecting external power amplifiers to the line outputs

The *AV Master 8.0* has line output connections for up to 7 channels. If you have *Cyrus* power amplifiers to drive some or all of your system channels, use an audio interconnect to connect each of the amplifier(s) to the Front ②, Surround ③, Back ④ and Centre ⑤ channel line outputs of your *AV Master 8.0*.

Once you have connected the power amplifiers to your *AV Master 8.0*, you can connect your system speakers to the power amplifiers as directed in the power amplifiers' handbooks.

## Connecting the AV Master 8.0 to a Cyrus stereo system

The *AV Master 8.0* can be connected to an existing stereo *Cyrus* hi-fi system, sharing the power amplifiers from the stereo system for the Front Channels. In this case, connect a stereo phono interconnect from the Front Channel outputs of the *AV Master 8.0* to the AV input sockets of the *Cyrus* stereo integrated amplifier or pre-amplifier. For this system to function correctly both the *AV Master 8.0* and the *Cyrus* stereo amplifier must be included in an MC-Bus connection loop (see section 'MC-Bus connection').

## Using the internal power amplifiers

The *AV Master 8.0* also has three internal amplifiers that can be switched to run your system speakers directly, reducing the number of power amplifiers you require in your system.

### Centre channel power amplifier

The centre channel power amplifier is permanently connected to the centre channel output of the decoder in the *AV Master 8.0*. To use this amplifier to drive your centre channel speaker, connect a speaker cable from the centre channel speaker output to your centre channel speaker. Ensure that the polarity of this connection is correct with the + output terminal connecting to the + or red terminal of the speaker.

### Left and Right power amplifiers

The Left and Right channel power amplifiers may be switched to power your choice of either the Front, Surround or Back sound channels. If you decide to use the internal amplifiers, connect a speaker cable from each of the left and right channel speakers to the corresponding speaker outputs ⑰ and ⑱ on the rear panel of the *AV Master 8.0*. Then set the selector switch ⑲ on the rear panel to switch the speakers to the correct Front, Surround or Back channels.

### Connecting a Subwoofer

A subwoofer may be connected with a suitable phono interconnect to the Subwoofer output ⑬. Refer to the 'Setting up the AV Master 8.0' section to switch on and set up the subwoofer.

### +12V trigger

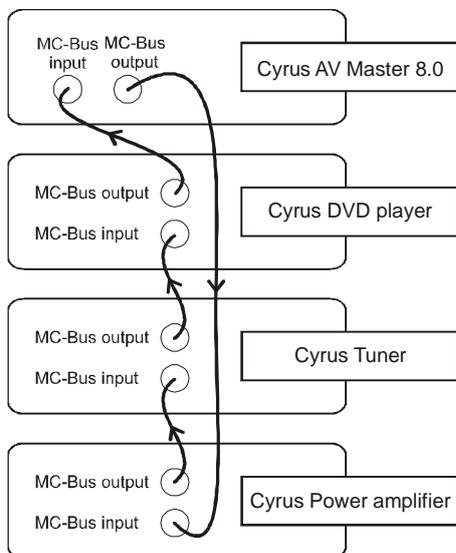
The +12V trigger output will drive any automated devices you may have in your system which have a compatible trigger input marked for +12V operation. These may include video display screens, motorised curtains etc. To connect to the trigger output a cable of suitable length will be required, terminated in 3.5mm mini-jack plugs. Connect one plug to the +12V output ⑫ of the AV Master 8.0, and the other plug to the +12V input of your automated device. When the AV Master 8.0 is switched on from standby, the +12V feed will switch on and activate your automated devices.

### MC-BUS Connections

Connecting the MC-Bus sockets ① of the AV Master 8.0 in an MC Bus system provides unified system power 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. Complete the loop by returning the MC Bus output of the final component to the MC Bus input of the first. The drawing below shows an example of MC-Bus wiring for a Cyrus AV Master 8.0 with a DVD player and two power amplifiers.

With MC-BUS established the power function of all connected Cyrus components may be controlled from the AV Master 8.0 front panel or remote control. When power is switched on, components such as power amplifiers will switch on automatically.

When a Cyrus stereo integrated amplifier or pre-amplifier is connected into the MC-BUS loop, setting of the volume calibration level will take place automatically when the VI/AV input is selected at the Cyrus stereo amplifier.



**SETTING UP THE AV Master 8.0**

The AV Master 8.0 is a highly versatile product that can be easily configured through the setup menu system to match accurately the requirements of different Home-Theatre systems.

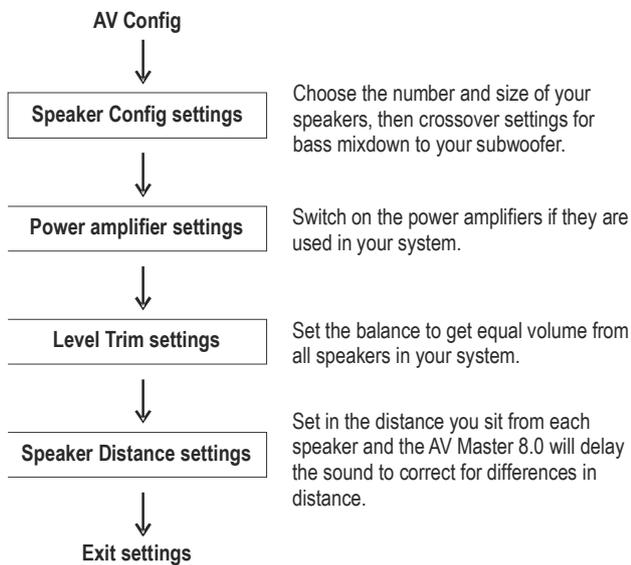
**Setup Menu system**

**Navigating the menu system**

To enter the menu system, press the front panel SETUP key. You can then navigate all menu options by turning the ROTARY control ⑤ to view the menu options and pressing the ROTARY control ⑤ to select an option. A detailed map of the menu options available is shown in the diagram on the next page.

**AV Config system set-up**

The first option you reach in the Menu System, is 'AV Config'. If you're not sure which setup menu options to choose to best configure your AV Master 8.0, select this AV Config option to run in sequence through all the menu settings that are essential when first configuring the AV Master 8.0 to match your other system components. The AV Config setting sequence is listed below –



**Resetting the AV configuration**

If you think you may have made an error in setting up your AV Master 8.0, you can reset all configuration settings to those originally set at the factory. There are two ways to reset, either by selecting the 'Clear Settings' option from the setup menu or by holding down the SETUP key ④ for a few seconds until the 'RESET Y/N' legend appears in the display. To proceed with the reset, press the ROTARY control ⑤ to confirm.

**OPERATING THE CYRUS AV Master 8.0 from the front panel**

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

1. Standby key	5. Rotary/push control
2. Standby light	6. Setup menu select
3. Remote eye	7. Mode select
4. Display window	8. Input select

**Power Control**

Connect the socket on the AC Power cable to the Power inlet ⑩ on the rear panel of the AV Master 8.0. Connect the cable to a suitable AC power point.

There is no mains power switch on the AV Master 8.0. To switch off the mains supply to the AV Master 8.0 remove the plug from the wall outlet. For this reason, ensure that the plug is easily accessible when installing the unit.

When the AV Master 8.0 is switched to Standby all control settings are remembered for next use.

**Selecting an input**

Inputs are selected with the front panel INPUT SELECT buttons ⑪. The name or number of the selected input is shown on the bottom line of the display. Decoding status is shown in the centre line of the display, showing the legend 'DETECTING' when awaiting an input signal or the current decoding mode when an input signal is detected.

Mode settings are memorised for each input from when it was last used.

**Volume Control**

The volume level is adjusted by turning the ROTARY control on the front panel ⑤.

**Adjusting channel balance and Subwoofer level**

Channel balance settings may be adjusted at any time from the remote control with the speaker 'hot' keys. Refer to the next section for a description of all operations possible from the Remote Control.

**Selecting the correct multi-channel decoding mode**

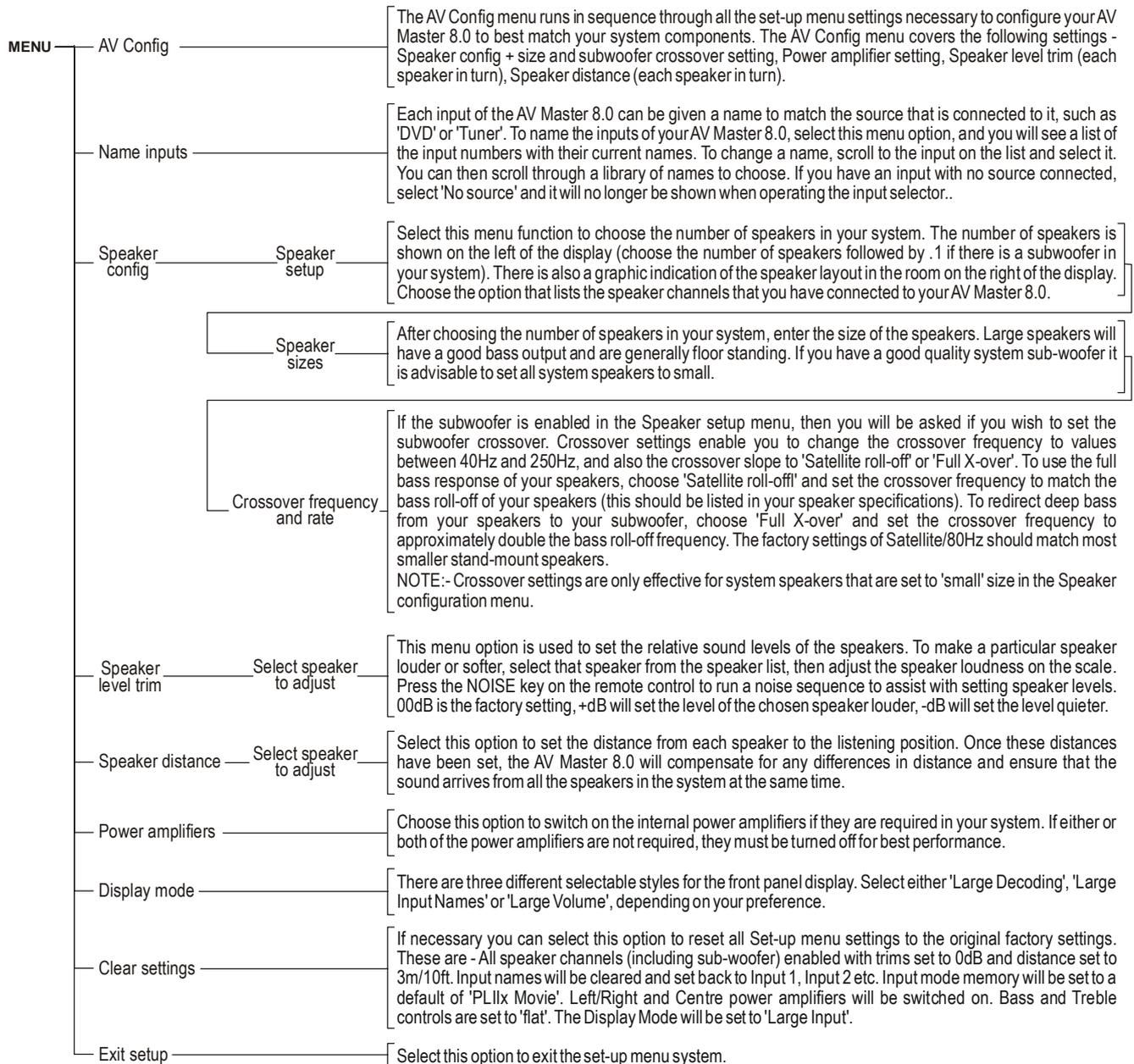
**Multi-channel programs**

The AV Master 8.0 can decode multi-channel surround sound recorded with a number of Dolby Digital and DTS encoding systems. Selection of the correct surround decoding mode is fully automatic and the current decoding mode will always be shown on the display. If a choice of decoding sub-options is available, these options may be viewed and selected by pressing the MODE key ⑦.

**Two channel and Dolby Pro Logic programs**

A two channel program may be either a stereo recording or a multi-channel program encoded with Dolby Pro Logic surround-sound. To select the correct decoding system press the MODE key to choose between stereo, Dolby Pro Logic Iix or DTS Neo 6 decoding. Sub-modes optimised for Movie and Music options are also available.

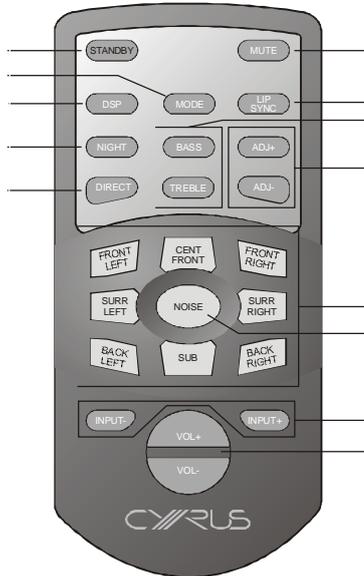
**AV Master 8.0 Menu system**



## REMOTE CONTROL OPERATION

### Supplied handset

The remote control handset supplied with the *AV Master 8.0* will control all functions, apart from setup menu navigation as this requires the user to be positioned at the front panel to read the display.



1. **MUTE.** Mutes the sound from all speakers instantly. Press this key again to unmute.
2. **LIP SYNC.** This key will enable you to delay the sound from all speakers if the soundtrack of the movie you are watching is not synchronized to the picture. This happens because of digital video processing delays that occur in your DVD player or TV monitor and you will notice that actors voices are not synchronized with their lip movements. To adjust Lip Sync delay and correct this, press the key once and use the ADJ+ and ADJ- keys to adjust delay until the sound and picture are correctly synchronized. Press the Lip Sync key again to exit Lip Sync adjustment.
3. **tone CONTROLS.** Use the BASS or TREBLE keys to select Bass or Treble adjustment. Use ADJ+/ADJ- to increase or decrease the level of bass or treble. Press the BASS or TREBLE key again to cancel tone control setting.  
NOTE:- Tone control settings are stored separately for each input.
4. **ADJ+/ADJ-.** These keys are used to adjust settings or choose options from a list on the display.
5. **SPEAKER HOT KEYS.** These keys are each labeled with a sound channel. If you want to make an adjustment to the level setting of an individual channel (or the sub-woofer), select the correct channel key from the keypad, then use the ADJ+/ADJ- keys to change the setting. Press the channel select key again to exit channel adjustment.
6. **NOISE.** Press the noise key to switch on a noise fed equally to all system speakers. This noise will enable you to set all channels to equal volume level from your sitting position. *Cyrus* recommend setting the centre channel level to 0dB as a reference, then adjust each channel in turn to the same level as the centre channel.
7. **INPUT SELECT.** Press one of these keys to select an input source from those available.
8. **VOLUME.** These keys will adjust the volume level from all speakers and the sub-woofer.
9. **DIRECT.** When playing a stereo program from an analogue input, setting stereo will completely bypass the digital section of the decoder in 'Stereo Direct' mode for the highest quality two-channel sound. Once Stereo Direct has been enabled for a particular input, the setting will be stored and recalled in future when that input is selected.  
NOTE:- Selecting 'Stereo Direct' will bypass all effects and tone control settings.

10. **NIGHT.** The NIGHT key will optimize the dynamic range of the music for late night listening at low levels. Note: The NIGHT key only operates for Dolby Digital encoded material.
11. **DSP.** When playing a two channel stereo program source such as a CD or a tuner, pressing the DSP key will cycle through a selection of surround effect simulations that add ambience and reverberation to the sound by using the other system speakers.
12. **MODE.** This key has two functions. When playing a digital multi-channel program, pressing this key will cycle through available decoding sub-options. When playing a two-channel program, pressing this key will cycle through different decoding modes. Choose from Stereo, Dolby Pro Logic IIx Movie, Dolby Pro Logic IIx Music, DTS Neo 6 Movie, DTS Neo 6 Music.  
Once a decoding mode has been set for a particular input, the setting will be stored and recalled in future when that input is selected.
13. **STANDBY.** Sets the *AV Master 8.0* in and out of Standby.

### Cyrus system handsets

If your system includes other *Cyrus* products you may already own a *Cyrus* system handset that will also control certain functions of the *AV Master 8.0*. Refer to the handbook for the system handset or to the *Cyrus* website [www.cyrusaudio.com](http://www.cyrusaudio.com) for a list of commands available to control the *AV Master 8.0*.

**TROUBLESHOOTING GUIDE**

If your *Cyrus AV Master 8.0* 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.

<b>No sound from speakers</b>	
Internal power amplifiers not enabled.	Enable required power amplifiers in the setup menu.
External power amplifiers not switched on.	Switch on the external power amplifiers
Incorrect source selected.	Check source selection and input set-up procedure.
<b>No sound from any speaker with one of the sources</b>	
Incompatible audio format	Check the audio format of the disc/tape to ensure it is compatible with the <i>AV Master 8.0</i> .
Input for this source may not be correctly set up.	Check source selection and input set-up procedure.
<b>No sound from some of the speakers</b>	
One or more of the speakers may not be selected.	Check the speaker selection settings in the speaker configuration section of the setup menu.
<b>No sound from the sub-woofer</b>	
Subwoofer may not be selected.	Check sub-woofer selection in the speaker configuration section of the setup menu.
Subwoofer level set too low.	Check subwoofer level settings at both the <i>AV Master 8.0</i> and the subwoofer.
All speakers are set to 'large' and no LFE channel information is present.	Check another program which has LFE channel information.
LFE channel may not be recorded.	Check another program which has LFE channel information.
<b>Loud noises from the speakers with certain sources or discs</b>	
Incompatible audio format for multi-channel sound.	Check the audio format of the program to ensure that it is compatible with the <i>AV Master 8.0</i> .

**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.



**WARRANTY**

The warranty card enclosed should be completed by 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/max) ..... 1W/320W  
 EMC & Safety Compliance (230V) ..... CE  
 12V trigger output ..... +12V 150mA

**Enclosure**

Dimensions (WxHxD) ..... 215 x 75 x 365mm  
 Weight ..... 4.7Kg  
 Material ..... Die cast chassis

**Audio Performance**

**Power amplifiers**

Output Power (8Ω 1kHz 1%) ..... Centre ..... 70W  
 ..... L/R ..... 30W  
 THD+N ..... 0.008%

**Digital Inputs**

Input voltage ..... 500mV pk-pk  
 Input Impedance ..... 75Ω  
 PCM sample rate ..... 30k – 200k  
 S/N ratio, (PCM in, 0dBFS) ..... 105dBA  
 THD+N, (PCM in, 0dBFS) ..... 0.003%

**Analogue Inputs**

Input Sensitivity ..... 200mV  
 Input Impedance ..... 20kΩ  
 Input Overload level (1KHz, 0.01%THD) ..... 3.4V  
 S/N ratio, (500mV i/p, max.vol.) ..... 86dBA  
 THD+N, (500mV i/p, max.vol.) ..... 0.008%  
 Channel separation (1kHz) ..... 90dB

**Analogue inputs, Stereo Direct mode**

Input Sensitivity ..... 200mV  
 Input Overload level (1KHz, 0.01%THD) ..... 7.5V  
 S/N ratio, (500mV i/p, max.vol.) ..... 99dBA  
 THD+N, (500mV i/p, max.vol.) ..... 0.003%  
 Channel separation (1kHz) ..... 90dB

**Analogue Outputs**

Output voltage ..... 400mV  
 Output Impedance ..... 220Ω  
 Max output voltage ..... 5.4V

**Decoding systems**

PCM Stereo, Dolby Pro Logic IIx, Dolby Digital EX  
 DTS Neo:6, DTS-ES, DTS 96/24

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