Cyrus integrated 6 vs2 and integrated 8 vs2
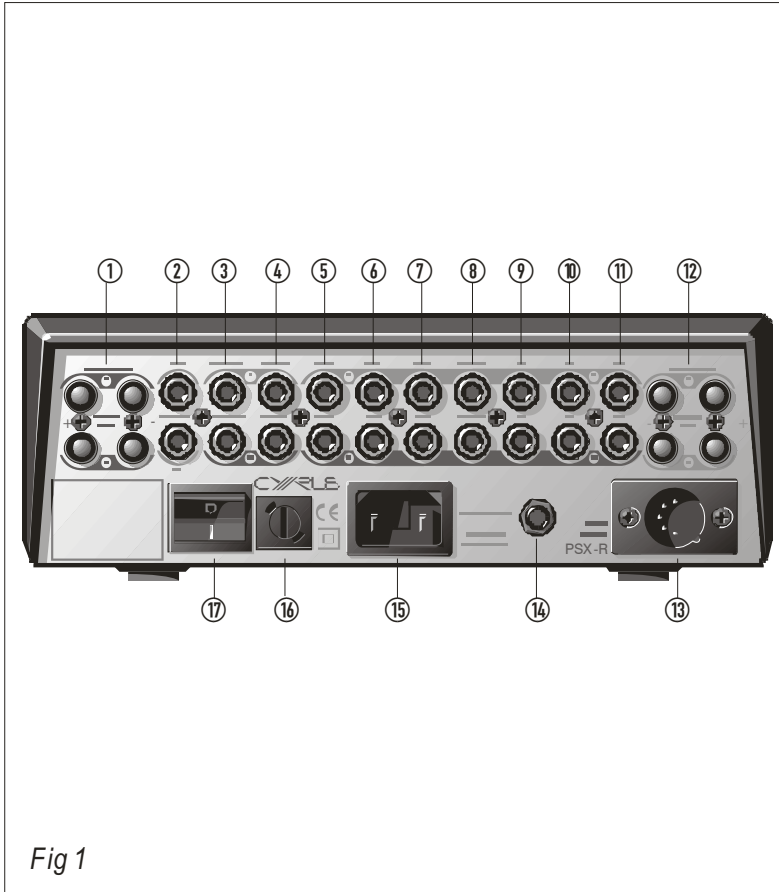

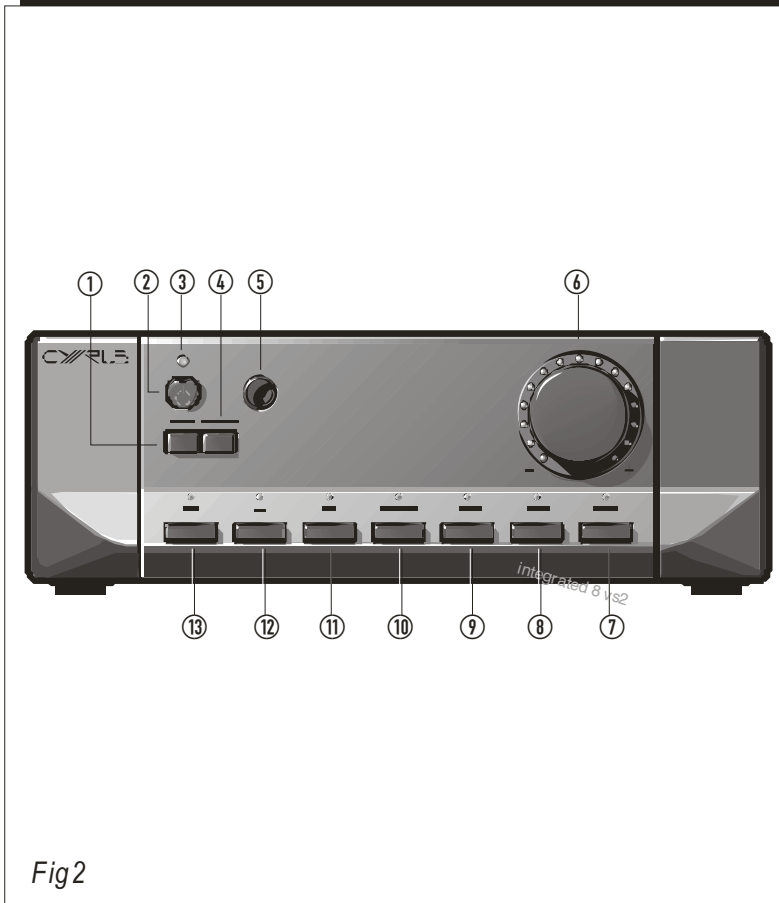
Fig 1
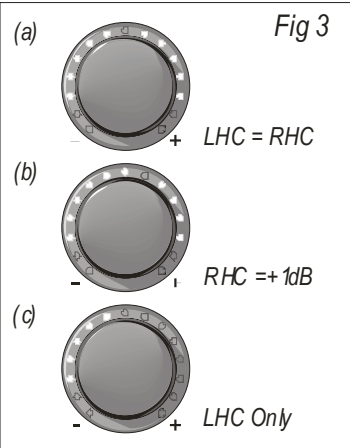

Fig 2

(a)   *Fig 3*

(b)

LHC = RHC

RHC =+1dB

(c)

LHC Only

(a)   *Fig 4*

(b)

- 2dB

0dB

(c)

+2dB

(a)   *Fig 5*

MUTE

Fig 6

Cyrus CD Player
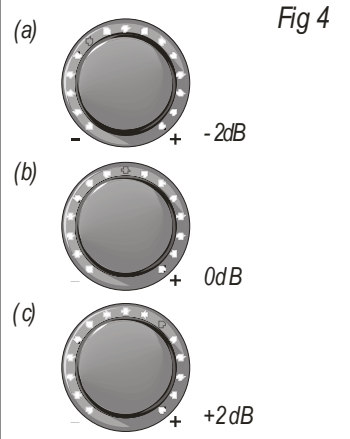
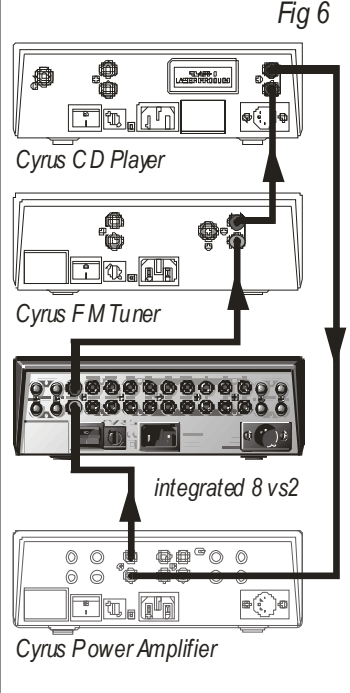Cyrus FM Tuner

integrated 8 vs2

Cyrus Power Amplifier

User Instructions

integrated 6 vs2 & 8 vs2

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 ⑮ on the rear of the unit. The mains fuse ⑯ is on the rear panel next to the power switch. It must only be replaced as follows:

integrated 6 vs2
         U.K. / Europe 230V T800mAL/250V 20mm
         N. America 115V T1.25AL/250V 20mm

integrated 8 vs2
         U.K. / Europe 230V T2AL/250V 20mm
         N. America 115V T3.15AL/250V 20mm

The mains supply requirement for your *integrated 6vs2/8vs2* 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.

NOTE FOR UK CUSTOMERS:

The *integrated 6vs2/8vs2* 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 *integrated 6vs2/8vs2* safely and correctly.

Preparations for Installation

Before installing the *integrated 6vs2/8vs2* check that the following items are included in the accessory box.

- Warranty Card (with instruction manual)
- Power Cable
- Remote Handset
- 4 Loudspeaker Plugs (certain markets only)

After removing these items, please retain the packaging.

Install the *integrated 6vs2/8vs2* in a well ventilated location away from sources of high temperature, dust or humidity. Never stand the *integrated 6vs2/8vs2* 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.	Right Speaker Output	10.	Tuner Input
2.	MC-BUS System Connection	11.	CD Input
3.	Pre-Amplifier Output	12.	Left Speaker Output
4.	Tape Recorder Output	13.	PSX-R Connection*
5.	TAPE Input	14.	Headphone socket
6.	MP3 Input	15.	Power Inlet
7.	LINK Input	16.	Mains Fuse Holder
8.	AUX/PH Input	17.	Power Switch
9.	AV Input		*integrated 8vs2 only

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 *integrated 6vs2/8vs2*. Now connect the cable to a suitable AC power point.

The mains power switch ⑰ on the rear panel of the *integrated 6vs2/8vs2* should be left on for normal operation, except when left unattended for a long period when it should be switched off or disconnected from the AC supply.

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 *integrated 6vs2/8vs2* has inputs for CD Player – CD ⑪, a tuner - TU ⑩, a Home Theatre decoder - AV ⑨ and three auxiliary inputs – AUX/PH ⑧, LINK ⑦ and MP3 ⑥ which can be used to connect a wide variety of products. Check the specification of these products before connecting to your *integrated 6vs2/8vs2*.

Connecting a Turntable

The *integrated 6vs2/8vs2* is a line level amplifier. To play a turntable through your unit an external phono pre-amplifier is required.

Connecting Tape/Disc recorders

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 TAPE Input ⑤ of the *integrated 6vs2/8vs2* and a second cable from the Input or Record sockets of the tape deck to the Tape Record Output - TP OUT ④ sockets of the *integrated 6vs2/8vs2*.

Connecting Headphones

The headphones socket ⑭ is a standard 6.35mm (¼") 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.

Connecting Loudspeakers

Fit plugs to the loudspeaker cables making sure to line up + and - at each end. Most cables have polarity indicators and may also be marked for directionality. The + and - terminals of the *integrated 6vs2/8vs2* must be connected to the corresponding + and - terminals of the loudspeakers.

Ensure that the connections are secure, then connect the left and right loudspeakers to the rear panel sockets ① and ⑫ of the *integrated 6vs2/8vs2*.
NOTE: The dual output sockets of the *integrated 6vs2/8vs2* are provided for convenient connection of bi-wiring speaker cables.

MC-BUS System *(Refer to figs 1 & 6)*

Connecting the MC-BUS sockets ② of the *integrated 6vs2/8vs2* 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 *integrated 6vs2/8vs2*, from the front panel or remote control. Selecting 'CD' from the front panel will switch on the *integrated 6vs2/8vs2*, the *Cyrus power amplifier* and a *Cyrus* CD player. When the *integrated 6vs2/8vs2* 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 *integrated 6vs2/8vs2's* AV input is selected. Refer to the handbook for the Surround Processor for further details.

External Power Supply - *PSX-R* *(integrated 8 vs2 only)*

The *PSX-R* is a unique DC power supply which will upgrade the sonic performance of your *integrated 8vs2*. When a *integrated 8vs2* / *PSX-R* combination is installed, analogue and signal related sections of the *integrated 8vs2* 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 *Integrated 8vs2* plug the connector on the umbilical cord of the *PSX-R* into the Multi-Pole socket on the rear of the *integrated 8vs2* (⑬ 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.	MP3 Input
2.	Standby Switch	9.	LINK Input
3.	Standby Light	10.	AUX/PH Input
4.	Headphone Switch	11.	Video (AV) Input
5.	Remote Eye	12.	Tuner Input
6.	Level Control	13.	CD Input
7.	TAPE Tape Monitor		

Power

When power is applied, the STANDBY key ② is used for power control. The Standby light ③ shows green when the *integrated 6vs2/8vs2* is operating and glows red when in standby mode. The *integrated 6vs2/8vs2* will switch from standby to on, when any input key ⑧-⑬ is selected.

In regular use the *integrated 6vs2/8vs2* 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 *integrated 6vs2/8vs2* is switched to Standby, all settings for input selection and Volume/Balance are retained.

Selecting an Input

The INPUT SELECT keys ⑧-⑬ 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 TAPE ⑦. When TAPE is selected the indicator above the selected key will light in addition to the selected source. To cancel TAPE, press the TAPE key again. If the tape recorder has a three-head facility, selecting the TAPE key will monitor the recording directly from the third head, whilst recording.

Recording: To record, select an input to record with the relevant Key ⑧-⑬ and follow the recording instructions in your tape deck manual.

Volume and Balance *(Refer to fig 3)*

The LEVEL CONTROL ⑥ of the *integrated 6vs2/8vs2* 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 to change the mode of the front panel LEVEL CONTROL ⑥ 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 PHONES key ④ only operates when headphones are connected to the rear panel socket of the *integrated 6vs2/8vs2*.

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.

Bi-amping / Tri-amping

The pre-amplifier output of the *integrated 6vs2/8vs2* may be used in conjunction with added power amplifiers to upgrade your loudspeaker system through Bi-amping or Tri-amping. The *Cyrus* range of power amplifiers is recommended for this application.

Programmable Input Sensitivity *(Refer to fig 4)*

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 *integrated 6vs2/8vs2* 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. 4 shows settings for Input Sensitivity levels set -2 dB, 0dB and +2dB relative to the CD input respectively.

OPERATION WITH THE AVRS7.2 REMOTE CONTROL

The *integrated 6vs2/8vs2* is supplied with the *Cyrus AVRS7.2* remote control which will control *Cyrus* CD players, DVD players, tuners and surround sound decoders in addition to the *integrated 6vs2/8vs2*.

AVRS7.2 System select keys

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/DAB, AV, AV-S and SETUP. The CD, TU/DAB, AV, AV-S keys will flash when any command is transmitted to show which type of product is under control. Commands to a Surround Decoder from the SETUP system will flash the AV-S indicator.

- Pressing CD will send commands to a *Cyrus* CD player. This key will also switch on an amplifier and select the CD input.
- Pressing TU/DAB will send commands to DAB radios or FM Tuners. This key will also switch on a DAB radio or FM Tuner and select the TU input of an amplifier. To change between DAB or FM operation, hold down the TU/DAB key for 3 seconds until the light changes colour. The key will light green when set for DAB commands or red when set for FM tuner commands. NOTE:- The FM band of a DAB radio is not selected in this way, the BAND key is used for this purpose.
- Pressing AV will send commands to a DVD player. This key will also switch on a DVD player and select the AV input of an amplifier.

The amplifier will respond to the volume, balance, mute and input keys when any of the above systems are selected.

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

Multi-channel Surround Sound Systems

The AV-S and SETUP keys of the *AVRS7.2* will control a *Cyrus* surround decoder. If you own a *Cyrus* decoder which was not originally supplied with an *AVRS7.2* remote control, a full copy of the *AVRS7.2* instruction sheet is available on the Cyrus website *www.cyrusaudio.com*.

Full Remote Command Listing

A full listing of the command set available from the *AVRS7.2* is listed in the table opposite.

	CD MODE	DAB MODE	TU MODE (FM)
1	Power off all systems		
2	CD, DAB, TU or AV COMMAND MODE SELECT Amplifier, CD, DAB, FM tuner, DVD power on Amplifier input select		
3	AV SURROUND COMMAND MODE SELECT – see table overleaf		
4	Stereo amp/preamp input select		
5	Stereo amp/preamp balance select		
6	Stereo amp/preamp volume control		
7	Stereo amp/preamp mute		
8	-	Select station on display	-
9	Audio phase invert	-	-
10	Next/previous track	Display next/previous station	Next/previous preset
11	Next track		Next preset
12	Search forward	Cursor keys for navigating the on-screen menu options	Scan up
13	Previous track		Previous preset
14	Search reverse		Scan down
15	-	OK key to select menu options	-
16	Display off	Display mode	Display off
17	Play/pause/stop*	Play/pause for replay from memory card	-
18	Display mode	Timer record mode	-
19	Numeric keypad	Numeric keypad	Preset select
20	Memory store	Preset information	Preset store
21	-	-	-
22	-	-	-
23	-	Menu select	-
24	AV SETUP MODE SELECT – see table below		
25	-	Record to memory card	-
26	-	DAB/FM/Memory card band select	-
27	-	Mono/stereo when playing FM	Stereo/mono

Amplifier, CD, DAB and FM tuner commands

*early Cyrus CD players will respond to Play/Stop only

	AV (DVD & amp) MODE	AV-S (DVD & decoder) MODE	AV-SETUP MODE
1	Power off all systems		
2	CD, DAB, TU or AV COMMAND MODE SELECT Amplifier, CD, DAB, FM tuner, DVD power on Amplifier input select		
3	AV-S COMMAND MODE SELECT DVD and Surround decoder power on		
4	Amplifier input select +/-	Surround decoder input select +/-	
5	Amplifier balance mode	-	
6	Amplifier volume control	Surround decoder volume control	
7	Amplifier mute	Surround decoder mute	
8	DVD Quick access zoom		-
9	DVD Quick access angle		-
10	DVD Next/previous chapter/title		Decoder Night & DSP functions
11			-
12	Cursor keys for navigating the DVD on-screen menu options		Adj +
13			-
14			Adj -
15	OK key to select DVD menu options		-
16	DVD On-screen display		-
17	DVD transport functions		-
18	-		-
19	DVD Chapter/title direct access		Speaker select keys
20	DVD Program store		-
21	DVD Title or Chapter mode		-
22	DVD Player setup		Bass control select
23	DVD Disc menu		Treble control select
24	AV SETUP MODE SELECT Surround decoder power on		
25	-		Mode select
26	-		Lipsync adjust
27	-		Decoder noise mode

Amplifier, DVD and AV -Surround commands

TROUBLESHOOTING GUIDE

If your *integrated 6vs2/8vs2* is not operating properly, disconnect the power and check carefully all connections.

If you are in any doubt, consult your dealer.

No sound	
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
Source not working (e.g. CD not playing)	Check source
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	

The *integrated 6vs2/8vs2* has a unique fault indication system to help you to diagnose problems. All fault indications appear on the Standby light on the front panel.

Fault Indications during use

Flashing Green and Yellow	
An overload condition usually caused by excessive level or a problem with your loudspeakers	Reduce level or Unplug speakers amplifier should restore
Flashing Red	
An internal problem with *integrated 6vs2/8vs2* or *PSX-R*	Switch off and on - amplifier should restore

Remote control not working

Remote control not operating	Check batteries
Remote control will not operate a *Cyrus* CD player or tuner	CD, TU/DAB or AV button must be pressed before sending a command

If a fault condition still remains, return the *integrated 6vs2/8vs2* (together with the *PSX-R* if you are using one) to your *Cyrus* appointed dealer or an authorised Service Centre.

WARRANTY

SPECIFICATIONS

Power Supply
Voltage: ....As plate on rear of unit

Power Consumption
Standby .... (12W)
ON (No Load) .... (23W)
Maximum ....Integrated 6 vs2 .... (130W)
Integrated 8 vs2 .... (360W)

EMC & Safety Compliance (230V) .... CE
EMC & Safety Compliance (115V) ....FCC, cCSAus

Enclosure
Dimensions (WxHxD) .... 215 x 75 x 365mm
Weight ....Integrated 6 vs2 ....3.7Kg
Integrated 8 vs2 ....5.6Kg
Material ....Die cast chassis

Audio Performance integrated 6 vs2

Input Sensitivity (40W/8Ω) .... Line 179mV
Input Impedance .... Line 40kΩ
Frequency Response (-3dB) .... Line 0.25Hz, 90kHz
Signal to Noise Ratio (A-WTD)........................ Line 102dBA
Power Output (both channels driven).............. 8 Ohms 40W
THD+N (Pre-Amp) 1kHz................................... Line ....<0.003%
THD+N (1kHz, 2/3 power) .... 8 Ohms ....<0.003%
(both channels driven)

Audio Performance integrated 8 vs2

Input Sensitivity (70W/8Ω) .... Line 237mV
Input Impedance .... Line 40kΩ
Frequency Response (-3dB) .... Line 0.1Hz, 90kHz
Signal to Noise Ratio (A-WTD)........................ Line 102dBA
Power Output (both channels driven).............. 8 Ohms 70W
THD+N (Pre-Amp) 1kHz................................... Line ....<0.003%
THD+N (1kHz, 2/3 power) .... 8 Ohms ....<0.003%
(both channels driven)

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