CYRUS

CONTENTS

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.

BATTERIES: Warning : Batteries shall not be exposed to excessive heat such as sunshine, fire or the like.

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.

ACCESS TO THE MAINS PLUG: The means to disconnect this product from the mains supply is the mains plug. Ensure that the mains plug is accessible at all times.

WARNING: This appliance must be earthed.

Power supply:

The mains supply requirement for your **Stereo 200** is marked on a label on the rear panel. Before connecting power, 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.

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. Contact details for Cyrus distributors may be found on the Cyrus website at www.cyrusaudio.com.

FCC NOTICE*

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try and correct the interference by one or more of the following measures:

• Reorient or relocate the receiving antenna.
• Increase the separation between the equipment and receiver.
• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
• Consult the dealer or an experienced radio/TV technician for help.

Any changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

*115V products

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.

Now is a good time to register your new Cyrus product. Registration takes only a few minutes, brings the added benefit of a full two year factory warranty and adds you to our mailing list for future product updates and upgrades. To register, visit www.cyrusaudio.com and click the 'Login/ Register' link.

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

Preparations for Installation

Before installing the **Stereo 200** check that the following items are included in the accessory box.

- Power Cable
- 4 Loudspeaker plugs
- 2 MC-BUS cables
- Ferrite clamp

After removing these items, please retain the packaging.

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

Speaker detection

The **Stereo 200** automatically measures the impedance of your speakers and adjusts its performance accordingly. The process takes a few seconds and only takes place on the first occasion that the amplifier is switched on after connection to the mains.

NOTE: A faint noise may be heard through the speakers during optimisation. This is normal.

Once the speakers have been measured, the results are stored until mains power is next disconnected.

To ensure that this speaker optimisation runs correctly, follow these guidelines -

- Make all connections, including speakers, to the amplifier before connecting mains power.
- Turn the system volume control to minimum when speaker optimisation is running.
- If you change your speakers, disconnect the amplifier from mains power and re-connect it once the new speakers are connected.

NOTE: The amplifier will not be damaged if you switch on before connecting the speakers, but performance may be compromised.

INSTALLATION
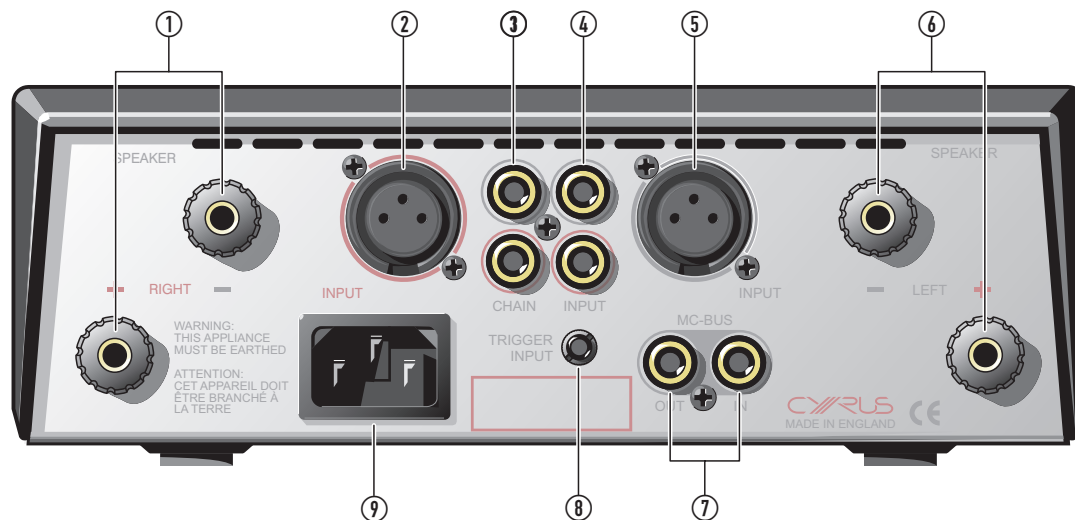
Key to the rear panel drawing

1. Right speaker output
2. Right channel balanced input
3. Chain output
4. Unbalanced RCA (phono) Input
5. Left channel balanced input
6. Left speaker output
7. MC-BUS connections
8. 12V trigger input
9. IEC Power Inlet

Placement

When installing a **Stereo 200** amplifier, choose a position where there is at least 3cm clearance from the sides and top of the amplifier to allow cooling air to circulate. Never stand the amplifier on a soft or carpeted surface or install the amplifier in an enclosed space or cabinet where cool air cannot enter.

Connecting to the AC Mains Supply

To ensure your **Stereo 200** power amplifier meets with the requirements of the EMC directive(s), fit the supplied ferrite clamp. The hinged clamp folds around the mains lead and will lock together once you firmly close the shaped channels.
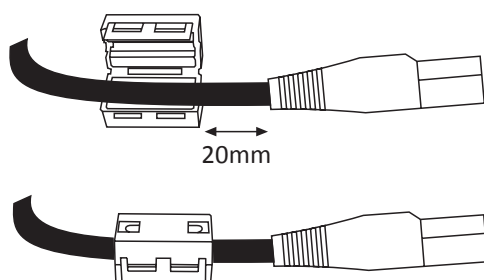
20mm

Note. Fit the filter 20mm from the IEC plug as shown.

Connect the socket on the AC Power cable to the Power inlet ⑨ on the rear panel of the amplifier. Now connect the cable to a suitable AC power point.

The mains plug is the disconnect device for this product. Ensure that the mains plug is always readily accessible.

Connecting a Pre-Amplifier, Streamer or DAC

NOTE: When connecting a streamer or DAC to a **Stereo 200**, ensure that it includes a volume control and use the 'variable' or 'preamp' output.

Phono (RCA) ④ and Balanced input connectors ②/⑤ are available to link the **Stereo 200** to a pre-amplifier, streamer or D/A converter etc.

If your amplifier is a long distance from the pre-amplifier/ DAC, or beside a loudspeaker, then balanced XLR connections ②/⑤ may give improved performance.

Connecting via phono (RCA) interconnects

Connect a stereo phono interconnect from the output of the preamplifier to the left and right inputs ④ of the **Stereo 200**. Be sure to observe colour coding of the plugs to keep left and right channels correctly ordered.

Connecting using Balanced XLR cables

Connect a 3-pin XLR cable from the balanced outputs of the preamplifier to the left ⑤ and right ② balanced inputs of the **Stereo 200**.

Connecting Loudspeakers

Choice of speaker cables

When choosing speaker cables, avoid litz-wound cables with a complex 'plaited wire' construction. These cables can be highly reactive and may degrade the sound of your amplifier. Always choose a cable of simple construction, manufactured from high quality materials and priced sensibly within the cabling budget of your system.

If in doubt about the correct cable to choose, any Cyrus retailer will be able to advise.

CAUTION: The speaker outlets are only suitable for connection directly to speakers. Never connect any switch-box or other device to the speaker outlets.

Speaker cable polarity

Speaker cables will always include polarising marks such as a rib or stripe to indicate the '+' wire and red/black identifiers on the terminals. Ensure you connect the red terminal/striped cable to the + terminals.

Cable termination

Speaker cables for use with the **Stereo 200** may be terminated with spade tags, 4mm plugs or bare wire ends.

Of these choices, 4mm plugs are the most convenient to connect/disconnect and are easiest to fit to most cables. Spade tags will give the best quality connection. Bare wire ends may be used, but very thin or highly stranded cables may be better with plug or spade termination to protect the fragile cable end.

Connecting spade tags

- Unscrew the knobs on the four speaker terminals ① and ⑥.
- Fit each spade terminal under the knob of the correct terminal.
- Tighten the knob securely.
- Repeat these steps for the other terminals.
- Check carefully that channel and cable polarities are correct.

Connecting plugs

- If necessary, fit the plugs (supplied) to the cable ends.
- Check that the knobs on the terminals are tightened.
- Push each plug into the centre of the correct terminal.
- Check carefully that channel and cable polarities are correct.

Connecting bare wire terminations

- Unscrew the knobs on the four speaker terminals ① and ⑥.
- If the cables are stranded, twist the cables before fitting them to the terminals.
- Pass the cable ends through the cross-holes in the terminals. Check that there are no loose wire strands.
- Tighten the knob securely.
- Repeat these steps for the other terminals.
- Check carefully that channel and cable polarities are correct.

Connecting the cables to your speakers.

- Refer to the speaker instructions for cable connection.

Input and speaker connections

Preamplifier

Right speaker terminals

Stereo 200

Left speaker terminals
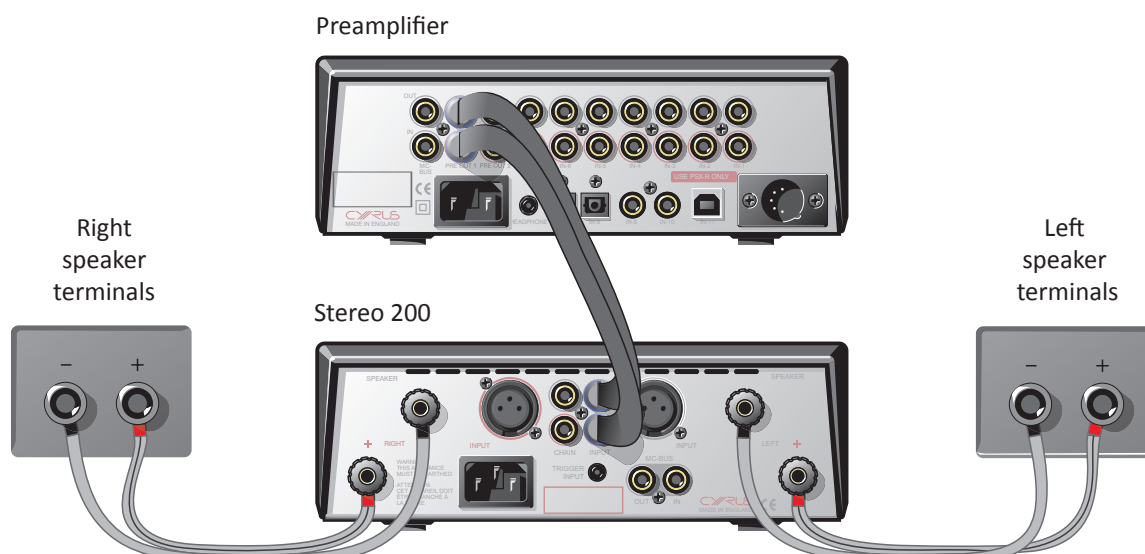
Chain Output

Bi-Amplification

If your pre-amplifier only has a single set of pre outputs, the Chain output ③ can be used to connect additional Cyrus power amplifiers to each channel for Bi/Tri-amping. Such a bi-amplified system provides the sonic benefits of totally separate power amplification for the bass and treble units of the loudspeakers.

Note: To set up bi-amplification, the loudspeakers must have bi-wirable terminals to enable separate connection to the bass and treble units.

In the bi-amplified system illustration below, a preamplifier is connected to two **Stereo 200** amplifiers, one to drive the speaker bass (LF) units, and one to drive the treble (HF) units. Phono input connections are shown.

Note: The Chain output is operational whether phono (RCA) or Balanced XLR input connection is made to the **Stereo 200**.

Gain Matching

All Cyrus power amplifiers, and all power amplifier stages in Cyrus integrated amplifiers have the same voltage gain characteristics. This means that you can use the **Stereo 200** in conjunction with any Cyrus amplifier for bi-amping, etc. without any set-up adjustments being required.

Chain output and bi-amplified speaker connection
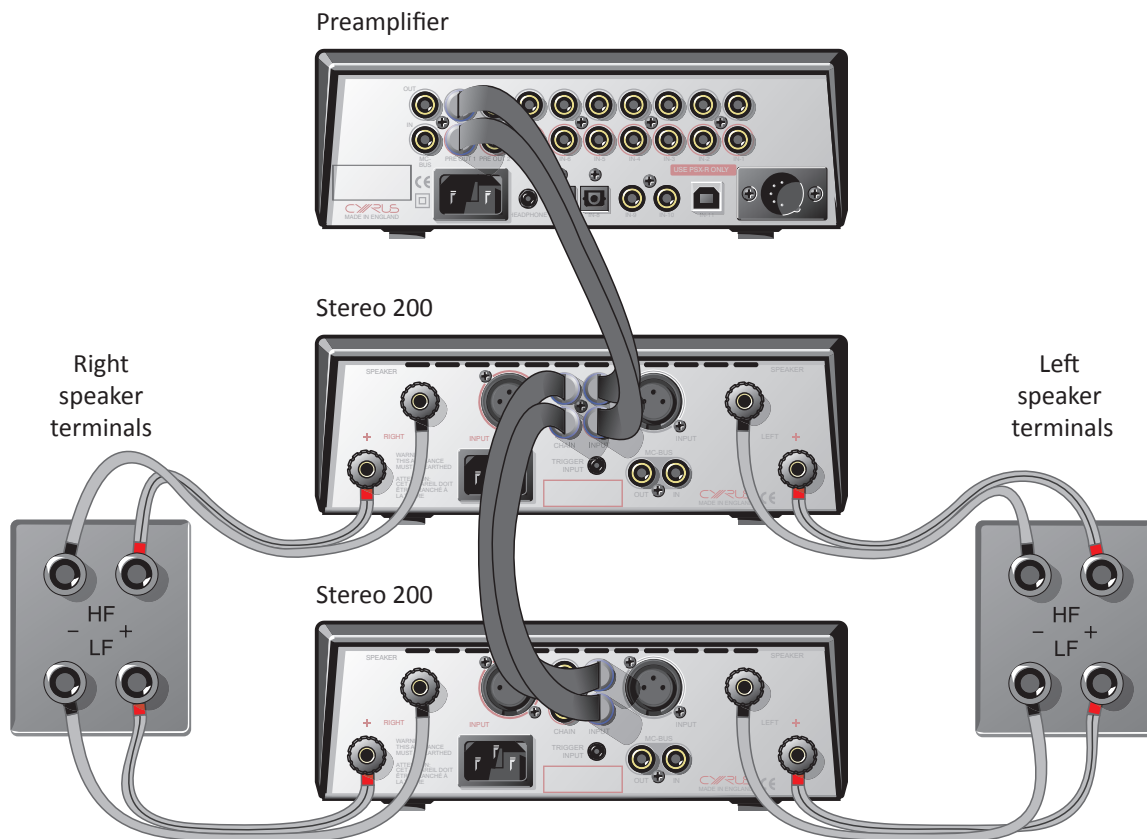
Remote Power Control (MC-BUS or 12V Trigger)

The **Stereo 200** may be remotely switched to and from Standby when used with other Cyrus components using the Cyrus MC-BUS system.

Connecting MC-BUS

An MC-BUS (Master Control) 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 (see example system connections below).

With MC-BUS established you can control the power function of the system from the front panel or remote control of the main Cyrus amplifier.
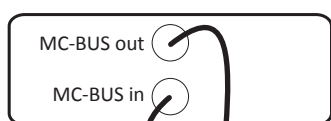
The **Stereo 200** also includes a 12V trigger input for Home Cinema, multi-room and other non-Cyrus systems that use a 12V trigger signal to switch components to and from Standby.

Connecting to a 12V trigger equipped system

A 3.5mm jack cable will be required to set up 12V trigger operation. These are available in standard lengths or can be made up to a custom length.

Once the cable is available, connect it between the 12V Trigger input ⑱ on the back of the **Stereo 200** and a 12V trigger output on the Home Cinema receiver or other component that is controlling system power.

Cyrus preamplifier

MC-BUS out
MC-BUS in

Cyrus CD player

MC-BUS out
MC-BUS in

Cyrus streamer

MC-BUS out
MC-BUS in

Stereo 200

MC-BUS out
MC-BUS in

Home Cinema receiver

12V trigger output

Stereo 200

12V trigger input
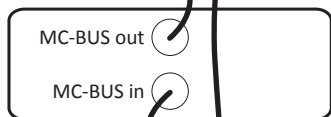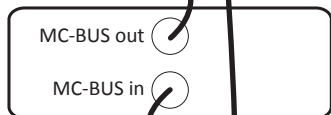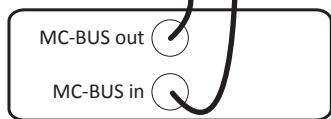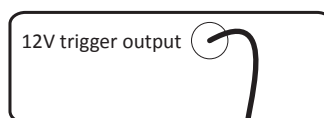
OPERATION

Key to the front panel drawing
1. Standby key
2. Standby indicator
3. Input indicator
4. Input selector key

Power Control

When power is first applied, the amplifier will initialise, then set to Standby.

Power operation sequence

It is always good practice to switch on the system control amplifier (preamplifier, streamer or DAC) first, then wait for a second before switching on the **Stereo 200**. This will avoid any unwanted switch-on noise from the loudspeakers.

Follow the opposite sequence when switching off these components, switching off the **Stereo 200**, then waiting a second before switching off the control amplifier.

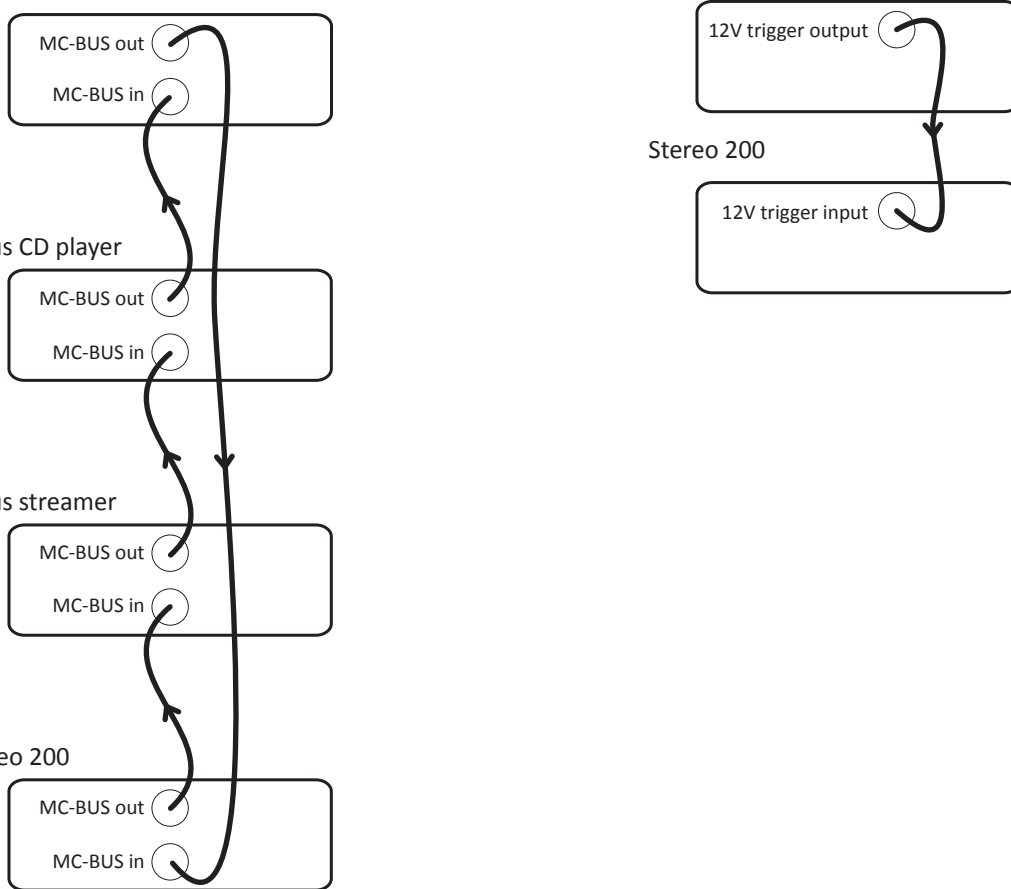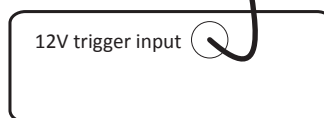NOTE: The above does not apply if MC-BUS is connected for automatic power control between Cyrus components.

Power control from the front panel

Press the STANDBY key ① briefly to switch the amplifier between operational and standby modes. The Standby Indicator ② will glow green when operational or red when set to Standby.

First use

When the amplifier is first switched on after connection to the mains, there will be a short delay while speaker performance is optimised. During this time the Standby Indicator will flash green. The indicator will stop flashing when optimisation is complete.

NOTE: A faint noise may be heard through the speakers during optimisation. This is normal.

Music sensing automatic power control

Music sense power control can be enabled if required.

To enable or disable Music sense, first set the amplifier to Standby, then press and hold the STANDBY key for two seconds. The Standby Indicator will flash red three times, then change colour to show the status of Music sense – orange when enabled or red when disabled.

When Music sense is enabled, the amplifier will switch on automatically if a music signal is detected from the pre-amplifier, and set to Standby after 10 minutes of silence. The STANDBY key may also be used to switch the amplifier on if required, or to switch the amplifier back to Standby with Music sense enabled (Standby indicator will glow orange).

A 12V trigger or any MC-BUS command cancels the Music sense function.

NOTE: The music sense setting will be retained when mains power is disconnected.

Input Indicator

The INPUT Indicator ③ will glow red when the output of the **Stereo 200** is muted. This occurs for a few seconds following Standby operation or if a temporary overload condition arises.

Selecting an Input

The front panel INPUT key ④ selects RCA Phono or Balanced input connection. To change inputs, the amplifier must be switched on.

Press and hold the INPUT key ④ until the INPUT indicator ③ changes colour as shown.

INPUT Indicator colour	Input selected
Green	Balanced
Orange	RCA Phono

NOTE: The input setting will be retained when mains power is disconnected.

TROUBLESHOOTING GUIDE

If your **Stereo 200** is not operating properly, disconnect the power and check all connections using the notes in this handbook. If problems persist, the checklist below may be helpful.

If you are in doubt, consult your dealer.

No sound from one or both speakers	
Check that the pre-amplifier and the **Stereo 200** are switched on. Check that the correct amplifier input is selected.	The standby lights should be green. The INPUT indicator will glow green for balanced input, orange for RCA/phono.
Check that the loudspeakers are connected.	The connection at the terminals of the loudspeakers and the **Stereo 200** should be checked.

Distorted sound at very low volume	
The wrong input may be selected.	Press and hold the INPUT button to change the input. The input indicator will light orange for phono input or green for balanced input.

Your amplifier has a unique fault indication system to help you to diagnose problems. Fault condition messages will be displayed via the Standby indicator in the event of a system fault.

STANDBY indicator flashing red/green	
The amplifier has overheated.	The amplifier will mute then set to Standby. The error indication will clear when the amplifier cools.

STANDBY indicator flashing orange/green	
The amplifier has been overloaded or the speaker connections have been short-circuited. NOTE: The **Stereo 200** can detect a short-circuit whether music is playing or not.	Check that the speaker connections are correctly made with no possibility of a short-circuit. To return to normal operation, set the amplifier to Standby to clear the fault indication and switch back on. If the problem persists when playing music, the speaker impedance may be too low. Ensure that only speakers are connected to the speaker outputs. Switch boxes and other accessories are not suitable for connection.

STANDBY indicator flashing red, green or red/orange	
The amplifier has detected an error.	Switch off the amplifier, disconnect it from the mains, wait 10 seconds and reconnect it. Check if the problem has cleared. If the fault indication persists, disconnect the amplifier and return it for service.

SPECIFICATIONS

Power Supply

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

Power Consumption

Standby.. <0.5W
ON (No Signal) 17W
Max.. 500W
Safety Compliance ....CE
EMC (230V)...CE
EMC (115V)...FCC

Enclosure

Dimensions (WxHxD).............................. 215 x 75 x 365mm
Weight 6.9kg
Material .... Die cast chassis

Audio Performance

Input Sensitivity (50W 8Ω) RCA 381mV
Input Sensitivity (50W 8Ω) BAL 775mV
Input Impedance (RCA) 33kΩ
Input Impedance (BAL)... 33kΩ
Output Power (Continuous) 8Ω........................... 170Wrms
THD+N @1/3 full power (1kHz 8Ω) .... <0.005%
Frequency Response (-3dB)...............................<1Hz-50kHz
S/N Ratio (Ref. 170W / 8Ω)..................................... 100dBA
Chain Output (buffered) .... (unity gain) 381mV
(ref. 381mV RCA input, 775mV Balanced input.)

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

WARRANTY

The warranty should be registered on-line 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.

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 local government administration.

CYRUS