

REDGUM V7 Firmware

For amplifiers

On application of power via wall socket (initial 'boot-up');

- Waits for at least 1 second
- Makes single beep – waits 2 seconds
- Makes rising 'whoop' sound

- To allow MEPS power supply to stabilise (after being in minimum power 'Sleep' mode)
- Waits code for menu changing or LostRemote – if no code =proceeds to next step
- Indicates Microprocessor initialised O.K.

On completion of above:

- Checks Firmware version
- Checks position of both volume controls
- Power-On Self-Test** all relays and hardware

- Emits a number beeps (& flashes 'Mute' led) to indicate Firmware version
- If one or both are set more than 1/2 way up, both volume controls are 'run down' until BOTH are below ¼
- Confirms hardware condition.
- Short low tone followed by short high tone - "ta-dah", aka all is functioning correctly

On completion of above:

- Microprocessor sets 'Favorite input' as CD1
- All actions evaluated as completed
- Remote sensor awaits 'power on' command
- Remote sensor then awaits any of the commands below:

- Amplifolia models: If key switch is 'off' no further action is possible. **Ensure Key switch is 'ON' to proceed past this point!**
- When 'power on' is received, power relay is closed turning on power amplifier

Button:	Action:	Constraints:	Other Actions:
N.B. Amplifolia models: Key switch locks remote sensor and prevents ANY codes being acted upon.			
Amp Power	Toggles Power Relay	When power is 'off', only command recognised is 'power on'	At 'power on': retrieves last used input from memory adjusts Volume and Balance to stored values before closing power relay selects INPUT enables all other commands At 'power off': remembers currently used input opens power relay inhibits any further commands except 'power on'
H.T.	Toggles between HiFi & Home Theatre	Only active on RGH900 preamp	Remembers last used position on power up
CD1	Cancels previous input and selects CD1		/ Disconnects previous input,
AV1	Cancels previous input and selects AV1		{ sets volume and balance to previous used levels for the new input
DVD	Cancels previous input and selects DVD		{ (also connects this input directly to Record Out sockets)
CD2	Cancels previous input and selects CD2		{ (this behavior is modifiable in Menu Options system)
AV2	Cancels previous input and selects AV2		\
UP arrow	Increases volume	Raises left & right volume controls together	Tends to correct any out of balance leaving channels always in balance
LEFT arrow	Moves image Balance towards left	Raises left & lowers right volume controls	
Bal	Achieves balance by raising the lower & lowering the higher volume controls		Within 2 seconds checks & recalibrates up to 200 times to achieve +/- 0.1dB balance
RIGHT arrow	Moves image Balance towards right	Raises right & lowers left volume controls	
Magic	Flashes Mute light & beeps	Test of Remote Control battery condition	Should produce beeps and flashing continuously whilst Magic held – or replace battery
DOWN Arrow	Decreases volume	Lowers left & right volume controls together	Tends to correct any out of balance leaving channels always in balance
Mute	Cuts volume approx. 15dB	Mute volume can be adjusted separately	