

Elac 3.1 Amplifier Control protocol

Command format:

Command: PARAMETER1,PARAMETER2,...\r

Reply:

ACK: command=reply_parameter1,reply_parameter2,...\r

Reply on Error:

NACK: Command

Comments:

comma separated values without spaces. '\r' ends every command and response. '\r' is the <CR> ASCII character.

replies are generally the command itself, unless otherwise specified

sent only if the command is wrong (wrong parameter, syntax error,...)

Note: if the command was OK but not executed (for example "POWER:ON" when unit is already on) the unit will return ACK

Notation:

{ } indicates variable
 [] type information

Implemented

Commands:

Parameters:

Comments:

Yes

POWER

ON
 OFF
 TOGGLE
 ?

returns current mode "ON", "OFF",...
Note: The command returns the current power status in the ACK regardless of the command (i.e. desired state)!

No

POWER_MODE

MANUAL
 12V
 AUTO
 ?

used for IR, and ethernet
 12V trigger
 Auto On/Off
 returns current mode "MANUAL", "12V",...

Yes

MUTE

ON
 OFF
 TOGGLE
 ?

returns mute status "ON", "OFF"

Yes

VOLUME

UP
 DOWN
 {value[%]}
 ?

value = 0 .. 100
 returns current volume [%]
Note: Volume command unmutes the unit.

Yes	SUB_VOLUME	UP DOWN {value [%]} ?	value = -12 .. 12 returns current volume [%]
Yes	CENTER_VOLUME	UP DOWN {value [%]} ?	value = -12 .. 12 returns current volume [%]
Yes	BALANCE	LEFT RIGHT {value [-100 .. 100]} ?	decrements the value (min = -100) increments the value (max = 100) Affects only left/right, but not the center and sub. 0 is centered, range is -100 (100% Left) .. 100 (100% Right) returns current balance value
Yes	PRESET	MUSIC MOVIE NIGHT ?	returns current preset "MUSIC", ...
Yes	STATUS reply:	? ACK:STATUS=NAME={Device name [string 0..20 chars]},MODEL={Model name [constant string up to 20 chars]},IP={ip address [string 15 chars]},MAC={MAC address [string]},POWER={Power status ["ON", "OFF"]},UNIT={Fault indication ["OK", "FAULT"]}	
Yes	INPUT	RCA OPTICAL BLUETOOTH ?	returns current input
No	BLUETOOTH_PAIR	START STOP ?	returns current bluetooth pairing status: "OFF", "ON"