

AV-1900

vav.link/av-1900/

RS-232 CODES Version 1.5

Baud rate: 9600K
Stop Bit: 1
Delivery interval >80ms
No check digit

Default Codes: ASCII Command format: 97 45 45<CR><LF>

Table 1: Command Codes

ASCII Code	Function		Remarks	Return codes
97 45 45	#PWR_ON	Turn on/ bring out of standby	Working	97 20 20 01
			INPUT1 Volume XX=00-14	97 31 31 XX
			INPUT2 Volume XX=00-14	97 32 32 XX
			INPUT3 Volume XX=00-14	97 33 33 XX
			INPUT4 Volume XX=00-14	97 34 34 XX
			Master Volume XX=00-14	97 23 23 XX
			Master Bass XX=00-0E	97 24 24 XX
			Master Treble XX=00-0E	97 25 25 XX
97 46 46	#PWR_OFF	Turn off	Standby	97 20 20 00
97 47 47	#MUTE_ONOFF	Mute on/off	Mute Off = 0 / Mute = 1	97 21 21 0X
97 43 43	#INPUT1+	INPUT1 volume +	INPUT1 Volume XX=00-14	97 31 31 XX
97 1B 1B	#INPUT1-	INPUT1 volume -		
97 1D 1D	#INPUT2+	INPUT2 volume +	INPUT2 Volume XX=00-14	97 32 32 XX
97 4E 4E	#INPUT2-	INPUT2 volume -		
97 18 18	#INPUT3+	INPUT3 volume +	INPUT3 Volume XX=00-14	97 33 33 XX
97 1C 1C	#INPUT3-	INPUT3 volume -		
97 11 11	#INPUT4+	INPUT4 volume +	INPUT4 Volume XX=00-14	97 34 34 XX
97 10 10	#INPUT4-	INPUT4 volume -		
97 1A 1A	#BT_RESET	BT Disconnect	/	97 26 26 00
97 15 15	#MAS_TRE+	Increase treble gain by +1DB	Treble Gain XX=00-0E	97 25 25 XX
97 17 17	#MAS_TRE-	Decrease treble gain		

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		by -1DB		
97 19 19	#MAS_BASS+	Increase bass gain by +1DB	Master Bass XX=00-0E	97 24 24 XX
97 16 16	#MAS_BASS-	Decrease bass gain by-1DB		
97 4A 4A	#RESET	Reset all		97 23 23 0A 97 25 25 07 97 24 24 07 97 31 31 0A 97 32 32 0A 97 33 33 0A 97 34 34 0A
97 4B 4B	#MAXVOL	Max Volume		97 23 23 0A 97 25 25 07 97 24 24 07 97 31 31 0A 97 32 32 0A 97 33 33 0A 97 34 34 0A
97 40 40	#MAS_VOL+	Volume +/- out of mute	Master Volume XX=00-14	97 23 23 XX
97 44 44	#MAS_VOL-	Volume -/out of mute		
97 12 12	#AUTOSTBY_ON	AUTO STANDBY ON		97 28 28 01
97 13 13	#AUTOSTBY_OFF	AUTO STANDBY OFF		97 28 28 00
97 1E 1E	#WAKEUP_ON	AUTO WAKE ON		97 35 35 01
97 1F 1F	#WAKEUP_OFF	AUTO WAKE OFF		97 35 35 00

Table 2: Direct Address Volume Codes

ASCII	Function	Remarks	Return codes
97 AX AX	X =0-F Set master volume to 0-15	xx =01-14	97 23 23 xx
97 BX BX	X =0-4 Set master volume to 16-20		
97 CX CX	X =0-E Set Bass volume to 0-14	xx =01 -0E	97 24 24 xx
97 DX DX	X =0-E Set Treble volume to 0-14	xx =01 -0E	97 25 25 xx
97 EX EX	X =0-F Set INPUT1volume to 0-15	xx =01-14	97 31 31 xx
97 FX FX	X =0-4 Set INPUT1volume to 16-20		
97 5X 5X	X =0-F Set INPUT2volume to 0-15	xx =01-14	97 32 32 xx
97 0X 0X	X =0-4 Set INPUT2volume to 16-20		
97 6X 6X	X =0-F Set INPUT3volume to 0-15	xx =01-14	97 33 33 xx
97 7X 7X	X =0-4 Set INPUT3volume to 16-20		

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97 8X 8X	X =0-F Set INPUT4volume to 0-15	xx =01-14	97 34 34 xx
97 9X 9X	X =0-4 Set INPUT4volume to 16-20		

Table 3: Return Codes

- Response from Unit = 97 ** ** 0X/XX 0A
- All responses end in \x0A or LineFeed
- Sample commands and responses
 - Power Query – Command -97 20 20
 - Power Query – Response – STANDBY 97 20 20 01\x0A = On/No Faults
 - Power Query – Response – STANDBY 97 20 20 00\x0A = Off/Standby

ASCII Code	Name	Function	Remarks	Return codes
97 20 20	#STANDBY	Speaker working Status	Speaker OFF/Standby Speaker ON/Working	97 20 20 00
				97 20 20 01
97 21 21	#MUTE	Mute On/Off	Mute Off = 0 Mute = 1	97 21 21 00
				97 21 21 01
97 23 23	#MASTERGAIN	Volume Gain	20 steps total XX=00-14 HEX code	97 23 23 XX
97 24 24	#MASTER_BASS	Bass Gain	14 steps total, XX=00-0E	97 24 24 XX
97 25 25	#MASTER_TRE	Treble Gain	14 steps total XX=00-0E	97 25 25 XX
97 26 26	#BT_BIT	Bluetooth status	BT unpaired = 0 BT paired , Pause= 1 BT paired, Play = 2	97 26 26 00
				97 26 26 01
				97 26 26 02
97 27 27	#BT_DEVICE	Bluetooth name	Length=0# Name= xxx HEX code	97 27 27 0# xxx
97 28 28	#AUTO_STANDBY	Auto standby Status	Auto standby OFF = 0 Auto standby ON = 1	97 28 28 00
				97 28 28 01
97 31 31	#INPUT1_GAIN	INPUT1 Volume Gain	20 steps total XX=00-14	97 31 31 XX
97 32 32	#INPUT2_GAIN	INPUT2 Volume Gain	20 steps total XX=00-14	97 32 32 XX
97 33 33	#INPUT3_GAIN	INPUT3 Volume Gain	20 steps total XX=00-14	97 33 33 XX
97 34 34	#INPUT4_GAIN	INPUT4 Volume Gain	20 steps total XX=00-14	97 34 34 XX
97 35 35	#AUTO_WAKEUP	Auto Wake up Status	Auto Wake up OFF = 0	97 35 35 00
			Auto Wake up ON = 1	97 35 35 01

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NOTE: Auto-Standby activates after 30 minutes of mute or no operation. Any adjustment turns standby off.

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