



PARASOUND

Halo T 3 RS-232 Codes

T 3 Tuners with RS-232

➤ **Hardware Specifications:**

Protocol:

Baud rate: 9600 bps – serial numbers below 01651 (1way RS232)
 38400 bps – serial numbers above 01651 (2way RS232)
Data Bit: 8 Bits
Stop Bit: 1 Bits
Parity: None
 ASCII transmission, may also be converted to hexadecimal

Connector & Pin Definition:

Actual machine Connector: female DB9
PC Connector: male DB9

PC	Actual machine
Pin 2 RxD -----	TxD Pin 2
Pin 3 TxD -----	RxD Pin 3
Pin 5 Gnd -----	Gnd Pin 5



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⇒ Software Specifications:

Tx Format

Flow Control : No

String Format

All strings must have a space between each number. End of each string must have a carriage return after last number with no space.

Function	String ASCII	String Hexadecimal	Remarks
Power On	1 17 1 1<CR>	31 31 37 31 31<CR>	
Power Off	1 17 1 2<CR>	31 31 37 31 32<CR>	
Tuner Up	1 17 1 28<CR>	31 31 37 31 32 38<CR>	
Tuner Down	1 17 1 26<CR>	31 31 37 31 33 36<CR>	
Manual	1 17 1 27<CR>	31 31 37 31 32 37<CR>	
Preset	1 17 1 23<CR>	31 31 37 31 32 33<CR>	
Seek	1 17 1 24<CR>	31 31 37 31 32 34<CR>	
Band	1 17 1 30<CR>	31 31 37 31 33 30<CR>	the same as FM-AM
1	1 17 1 46<CR>	31 31 37 31 34 36<CR>	the same as P1
2	1 17 1 47<CR>	31 31 37 31 34 37<CR>	the same as P2
3	1 17 1 48<CR>	31 31 37 31 34 38<CR>	the same as P3
4	1 17 1 49<CR>	31 31 37 31 34 39<CR>	the same as P4
5	1 17 1 50<CR>	31 31 37 31 35 30<CR>	the same as P5
6	1 17 1 51<CR>	31 31 37 31 35 31<CR>	the same as P6
7	1 17 1 52<CR>	31 31 37 31 35 32<CR>	the same as P7
8	1 17 1 53<CR>	31 31 37 31 35 33<CR>	the same as P8
9	1 17 1 54<CR>	31 31 37 31 35 34<CR>	the same as P9
0	1 17 1 55<CR>	31 31 37 31 35 35<CR>	
For 2-digit presets, see notes.			
Enter Frequency	1 17 1 16<CR>	31 31 37 31 31 36<CR>	
RDS	1 17 1 40<CR>	31 31 37 31 34 30<CR>	
Mono	1 17 1 41<CR>	31 31 37 31 34 31<CR>	
Memory	1 17 1 42<CR>	31 31 37 31 34 32<CR>	
QueryID	1 17 1 0<CR>		Reply=1 17 1 2<CR>

NOTE: "<CR>" means Carriage Return. The Hex Code is 0D, and the decimal code is 013. For 2 digit presets use following ASCII string: 1 17 1 46<CR>1 17 1 55<CR> the same as preset 10. The hexadecimal equivalent: 31 31 37 31 34 36 <CR>31 31 37 31 35 35<CR>.

Rx Format

Actual Machine to PC Protocol:

Flow Control: No

Response information in plain human readable text.