

QS1RServer Supported Commands (Command Line)

Command	Description	Notes
Single word commands:		
exit	Shuts down and exits the server	
quit	Shuts down and exits the server	
hide	Hides the server window	
clear	Clears the command window	
errorlog	Displays the error log	
u	Increases the tuned frequency by [stepsize] Hz	
d	Decreases the tuned frequency by [stepsize] Hz	
start	Starts the server dsp process.	
stop	Stops the server dsp process.	
Initialization Commands:		
reinit hardware	Causes the server to look for and reinitialize the QS1R hardware	
reinit audio	Causes the server to reinitialize the sound card audio output system	Useful when changes are made to the selected sound output device
reinit dsp	Causes the server to reinitialize the dsp processor	Useful when changes are made to the server startup state
General System Get Commands:		
get qtver	Displays the Qt Version used	
get ippver	Displays the signal processing library version used	
get cpu_features	Displays your CPU features (MMX/SSE)	
get out_devices	Displays a list of available sound card output devices on your system	
get out_device	Displays the currently selected sound card output device used	
get audio_output_bypass	Displays whether the sound card audio output is enabled	0 if sound card output is disabled 1 if sound card output is enabled
get dac_bypass	Displays whether the DAC output is enabled.	0 if DAC output is disabled 1 if DAC output is enabled
get freq_hz	Displays tuned frequency in Hz	

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get freq_khz	Displays tuned frequency in kHz	
get freq_mhz	Displays tuned frequency in MHz	
General System Set Commands:		
set freq_hz [VALUE]	Sets the tuned frequency in Hz	[VALUE] = Hz
set freq_khz [VALUE]	Sets the tuned frequency in kHz	[VALUE] = kHz
set freq_mhz [VALUE]	Sets the tuned frequency in MHz	[VALUE] = MHz
set step_size [SIZE]	Sets the stepsize used for the 'u' and 'd' commands above	[SIZE] = 0 to 10 MHz in 1 Hz steps
set out_device [VALUE]	Sets which sound card output device to use	[VALUE] = Valid values are those returned by the 'get outdevices' command
set audio_output_bypass [VAL]	Sets whether sound card output is enabled or not	[VAL] = 0 Disable [VAL] = 1 Enable
set dac_bypass [VAL]	Sets whether DAC output is enabled or not	[VAL] = 0 Disable [VAL] = 1 Enable
Startup Related Get Commands:		
get startup_samplerate	Displays the startup sample rate defined in the QS1RServer ini file	
get startup_frequency	Displays the startup frequency defined in the QS1RServer ini file	
get startup_volume	Displays the startup volume defined in the QS1RServer ini file	
get startup_filterhi_value	Displays the startup filter high value defined in the QS1RServer ini file	
get startup_filterlo_value	Displays the startup filter low value defined in the QS1RServer ini file	
get startup_pga_value	Displays the startup PGA value defined in the QS1RServer ini file	
get startup_rand_value	Displays the startup Random value defined in the QS1RServer ini file	
get startup_dither_value	Displays the startup Dither value defined in the QS1RServer ini file	
get startup_agc_mode	Displays the startup AGC mode	

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	defined in the QS1RServer ini file	
get startup_agc_threshold	Displays the startup AGC Threshold defined in the QS1RServer ini file	
get startup_mode	Displays the startup mode defined in the QS1RServer ini file	
get startup_clock_correction	Displays the startup clock correction in Hz defined in the QS1RServer ini file	
Startup Related Set Commands:		
set startup_samplerate [VAL]	Sets the startup sample rate value in the QS1RServer ini file	[VAL] = 25000, 50000, 125000, 250000, 500000, 625000, 1250000, 1562500, 2500000
set startup_frequency [VAL]	Sets the startup frequency value in the QS1RServer ini file	[VAL] = 0 to 62.5 MHz, must be in Hz
set startup_volume [VAL]	Sets the startup volume value in the QS1RServer ini file	[VAL] = 0 to 1.0
set startup_filterhi_value [VAL]	Sets the startup filter high value in the QS1RServer ini file	[VAL] = -20000 to 20000
set startup_filterlo_value [VAL]	Sets the startup filter low value in the QS1RServer ini file	[VAL] = -20000 to 20000
set startup_pga_value [VAL]	Sets the startup PGA value in the QS1RServer ini file	[VAL] = 0 disable [VAL] = 1 enable
set startup_rand_value [VAL]	Sets the startup Random value in the QS1RServer ini file	[VAL] = 0 disable [VAL] = 1 enable
set setup_dither_value [VAL]	Sets the startup Dither value in the QS1RServer ini file	[VAL] = 0 disable [VAL] = 1 enable
set startup_agc_mode [VAL]	Sets the startup AGC mode value in the QS1RServer ini file	[VAL] = OFF, LONG, SLOW, MED, FAST
set startup_agc_threshold [VAL]	Sets the startup AGC threshold value in the QS1RServer ini file	[VAL] = -180.0 to +50 dBm
set startup_mode [VAL]	Sets the startup mode value in the QS1RServer ini file	[VAL] = AM, SAM, FMN, FMW, DSB, LSB, USB, CWU, CWL, DIGL, DIGU
set startup_clock_correction[VAL]	Sets the startup clock correction value in the QS1RServer ini file	[VAL] = -100000 to 100000

Notes:

The get command format is: **get**<space>**command_name**<enter>

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- The set command format is: **set**<space>**command_name**<space>**value**<enter>
- The commands prefixed with “**startup_**” modify the server startup values in the QS1RServer ini file and are provided as convenience commands to avoid having the user directly edit the QS1RServer ini file in a text editor.
- Commands are case insensitive.
- Any remote server command is also valid in the server command line. For example, the server start command can be entered as ‘>start’ on the command line. See the documentation for the remote server commands.