



PARASOUND

Zpre2 RS232 Guide

◆ Hardware Specifications:

Protocol

Baud Rate : 9600 bps
Data Bit : 8 bits
Stop Bit : 1 bits
Parity : None
Flow Cntrl : No

Connector Definition

Actual Machine Connector : Female DB9
PC Connector : Male DB9
Use straight through cable
(NOT a Null-Modem cable)

Pin Connection

TxD Pin 2
RxD Pin 3
Gnd Pin 5

◆ String Format :

ASCII (not decimal) and hexadecimal examples are shown below. The commas in the Hex example are merely for your ease of reading and are not required in transmission. All strings must have a space (line feed) between each number or letter (except two digit numbers). In the Hex examples the space is already represented with code "20." The end of each string must have a carriage return after the last number with no space in-between, this is represented by "<CR>."

<u>Command</u>	<u>String ASCII</u>	<u>String Hexadecimal</u>
Power On	W 1 1 2<CR>	57,20,31,20,31,20,32<CR>
Power Off	W 1 1 1<CR>	57,20,31,20,31,20,31<CR>
Power Toggle	W 1 1 3<CR>	57,20,31,20,31,20,33<CR>
Volume Up	W 1 9 1<CR>	57,20,31,20,39,20,31<CR>
Volume Down	W 1 9 2<CR>	57,20,31,20,39,20,32<CR>
Mute On	W 1 10 2<CR>	57,20,31,20,31,30,20,32<CR>
Mute Off	W 1 10 1<CR>	57,20,31,20,31,30,20,31<CR>
Mute Toggle	W 1 10 3<CR>	57,20,31,20,31,30,20,33<CR>

<u>Command</u>	<u>String ASCII</u>	<u>String Hexadecimal</u>
Input 1	W 1 2 6<CR>	57,20,31,20,32,20,36<CR>
Input 2	W 1 2 7<CR>	57,20,31,20,32,20,37<CR>
Input 3	W 1 2 8<CR>	57,20,31,20,32,20,38<CR>
Input 4	W 1 2 9<CR>	57,20,31,20,32,20,39<CR>
Next Input	W 1 2 4<CR>	57,20,31,20,32,20,34<CR>
Previous Input	W 1 2 5<CR>	57,20,31,20,32,20,35<CR>

Please Note: "<CR>" stands for Carriage Return, the Hex Code is "0D". A space in Hex is "20", a space in ASCII is just a blank space (as shown above).

◆ Rx Format (Feedback):

Unsolicited feedback is sent anytime that the state of the Zpre2 is changed. Because the volume control is a motor driven type there is no exact feedback of the current volume setting. When the volume is turned up or down using an IR system or RS232, feedback will be transmitted confirming the volume was increased or decreased. This will be represented by a "V0<CR>" for volume decrease and "V1<CR>" for volume increase. You can request the status of the Zpre2 by issuing the following commands.

<u>Request</u>	<u>String ASCII</u>	<u>String Hexadecimal</u>	<u>Response From Zpre2</u>
Power Status	R 1 1<CR>	52,20,31,20,31<CR>	G0<CR> = Power Off G1<CR> = Power On
Current Input	R 1 2<CR>	52,20,31,20,32<CR>	S1<CR> = Input 1 S2<CR> = Input 2 S3<CR> = Input 3 S4<CR> = Input 4
Mute Status	R 1 10<CR>	52,20,31,20,31,30<CR>	M0<CR> = Mute Off M1<CR> = Mute On
Full Status	R 1 13<CR>	52,20,31,20,31,33<CR>	G1 S3 M1<CR> = Power On, Input 3, Mute On