**PA66AMP/KIT**

**RS232 Commands and Protocol**



**Command Mode:** Control structure to send a command is: <xxPPyy/

Reply from command is: >xxPPyy/

< = prefix at the beginning of each action command

xx= Control ID Code (see table below)

PP= Type of command being sent

yy= Action command

/ = Carriage Return

Example: <11CH01/ sets Zone 1 to Source 1 on the Master Unit

**ID Code:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Master | 41 | 2nd Unit | 42 | 3rd Unit | 43 |
| Zone 1 | 11 | Zone 7 | 21 | Zone 13 | 31 |
| Zone 2 | 12 | Zone 8 | 22 | Zone 14 | 32 |
| Zone 3 | 13 | Zone 9 | 23 | Zone 15 | 33 |
| Zone 4 | 14 | Zone 10 | 24 | Zone 16 | 34 |
| Zone 5 | 15 | Zone 11 | 25 | Zone 17 | 35 |
| Zone 6 | 16 | Zone 12 | 26 | Zone 18 | 36 |
| ALL | 10 | ALL | 20 | ALL | 30 |

**Control Commands:**

PP: Stands for control action code.

PR:Power control PR00:Power off PR01:Power on

MU:Mute control MU00:Mute off MU01:Mute on

DT:Do Not Disturb DT00:DT Control off DT01:DT control on

VO:Volume control VO(00-38)

TR:Treble control TR(00-14) TR00= -7; TR07=0; TR14=7

BS:Bass control BS(00-14) BS00= -7; BS07=0; BS14=7

BL:Balance control BL(00-20) BL00= Left 10; BL10=0; BL20= Right 10

CH: Source Channel control CH(01-06):Select or Control Inputs

**Inquiry command:** Structure to send an inquiry command is: ?xx/

 ? = prefix at the beginning of each inquiry command

 xx= Control ID Code

 / = Carriage Return

 NOTE: FOR AN INQUIRY OF A SPECIFIC FUNCTION USE ?xxPP/

 PP= Control Action Command

**Reply Command:** Structure of reply to a control system: >xxaabbccddeeffgghhiijj/

aa: PA control status

bb: Power control status

cc: Mute control status

dd: DT control status

ee: Volume control status

ff: Treble control status

gg: Bass control status

hh: Balance control status

ii: Source control status

jj: keypad connecting status

(00:disconnect 01:connected)

**Name Change Command:** Structure to rename a source: x<\*\*\*\*\*\*/

 Needs to be 8 valid ASCII bytes

 X = Source number (1-6)

 \*\*= Name

 / = Carriage Return

NOTE: THIS CAN ALSO BE DONE WITHIN THE iOS AND ANDROID CONTROL APP WITHOUT COMMANDS AND CODING.