Serial Command manual

This manual outlines the serial protocol for PC-JAMMA

Use this manual as a guide to talk to PC-JAMMA from within your own application or change settings via the terminal.

COM Port Settings:
Baud: 19200
Data bits: 8
Parity: none
Stop Bits: 1
Hand shaking: none.

In this document **>** denotes the terminal prompt
Blue text denotes a message sent from the terminal.
Red text denotes a message received by the terminal .

All commands must be terminated by a carriage return <CR>.
For example, the version command will be

>ver<CR>

Commands are NOT case sensitive.

PC-JAMMA has a virtual COM port that is connected to the host computer via an on board USB HUB. The assigned COM port number will change between computers. It is up to you and your software to find the correct COM port. Use the version command (ver) to find which port PC-JAMMA is connected to.

If PC-JAMMA does not understand a command it will reply with:

>? Bad Command
>Type help for a command summary

Commands

reset
Forces PC-JAMMA to reset.

>Reset
>OK

This is required after some commands for new settings to take affect.

ver
Returns the current firmware version.
MAJOR_REVISION.Minor_Revision

>Ver
>2.02

set vert filter [setting]
sets the level of vertical filtering used on the arcade monitor.
Where [setting] ranges from
[0] – no filter to
[7] – MAX filter level

```
>set vert filter 1
>OK
```

The vertical filter setting is now set to 1 and is applied to the monitor immediately.
Changes are not written to EEPROM until the save command is issued.

get vert filter
returns the current vertical filter setting

```
>get vert filter
>1
```

The current vertical filter setting is 1

set controller mode [setting]
Sets the desired controller configuration
valid settings are:
[2] – 2 Player, 6 Button mode and
[4] – 4 Player, 4 Button mode

```
>set controller mode 4
>OK
```

The controller configuration is now set to 4 player, 4 Button.
The save command must be used to save the new configuration.
A reset command must be issued for this change to take affect.

get controller mode
returns the current controller mode
[2] – 2 Player, 6 Button mode
[4] – 4 Player, 4 Button mode

```
>get controller mode
>2
```

PC-JAMMA is currently set in 2 player, 6 button configuration.

set brightness [setting]
Sets the screen brightness on the arcade monitor.
Setting range from
[0] – Minimum to
[3] – Maximum

```
>set brightness 3
>OK
```

This setting takes affect and is applied to the monitor immediately but is not saved to EEPROM until the save command is issued.

get brightness
returns the current brightness setting.

```
>get brightness
>0
```

PC-JAMMA is currently set to the minimum brightness setting.

set start and credit to [setting]
Sets the start and credit outputs to
[keys] – Standard MAME keys
        Player 1 Start is '1', Credit is '5'
        Player 2 Start is '2', Credit is '6'
        Player 3 Start is '3', Credit is '7'
        Player 4 Start is '4', Credit is '8'
[buttons] – Start to button 7 and Credit to button 8 for each players controls
[buttons and keys] – Both key and button options enabled.

```
>Set start and credit to keys
>OK
```

Credit and start outputs are now set to MAME default keys.
The save command must be used to save the new configuration.
A reset command must be issued for these changes to take affect.

get video mode
Returns the current video mode

```
>get video mode
>800 x 600 @ 60
```

The current video mode is 800 x 600 at 60Hz

set audio to [setting]
Sets the Audio input source to:
[auto] – Audio is taken from the HDMI when PC-JAMMA is connected to an HDMI source
        Audio is taken from the 3.5mm Analog socket when there is no HDMI source connected
[force analog] – Audio is ALWAYS taken from 3.5mm Analog socket regardless

```
>set audio to auto
>OK
```

The Audio input is set to automatic selection mode.
This setting takes affect immediately but are not saved until the save command is issued.

get audio
Returns the current audio setting.

```
>get audio
>force analog
```

The audio is currently set to force analog audio mode.

save
The save command writes the current PC-JAMMA configuration to EEPROM

```
>save
>Saving OK
```

The configuration was saved to EEPROM successfully

restore factory settings
restores all settings the factory default state.

```
>restore factory settings
>OK Restarting…
```

The default settings have been restored and PC-JAMMA.
It is automatically restarted once settings are restored.

get serial number
returns PC-JAMMA's serial number

```
>get serial number
>201705150001
```

The connected PC-JAMMA has Serial number 201705150001