



Serial Communication API

Select functions of Cognito can be triggered remotely with a serial RS232 connection.

The following is the pinout of Cognitos RS232/Switch port that is needed for this.

- 2 – Receive Data
- 3 – Transmit Data
- 5 – Common

If controlling Cognito from a remote PC via RS232, a null modem serial cable is needed.
(Pins 2 and 3 are reversed at one end compared to the other.)

The connection attributes are as follows:

9600 baud, 8-Bit, no parity, 1 stop bit, no flow control

Notes:

- A carriage return <CR> must be sent to execute the command
- All commands, including item names, are case sensitive

The example command below would execute cue 4, on “Playlist 1”, using any programmed fade times, wait times, and follow times.

```
API.PlayListGotoAndExecuteFollows('Playlist 1', 4) <CR>
```

The example command below would release “Playlist 1”.

```
API.PlayListAssert('Playlist 1') <CR>
```

Current full list of commands:

noecho

noprompt

```
API.AttributeFade(fixture[,attribute_name],value [,time])
```

```
API.AttributeFadeCapture(fixture[,attribute_name],value [,time])
```

```
API.Bump('page_name' | page_index , memory_number, is_down )
```

```
API.ButtonPress('page','name' or order)
```

```
API.MemoryFade('page',memorynumber,value[,seconds])
```

```
API.MemoryFadeRate('page',memorynumber,value[,seconds full scale])
```

```
API.MemoryFadeStop('page',memorynumber)
```

```
API.MemoryGetValue('page',memorynumber)
```

```
API.MidiNoteOff(channel_1_to_16,key_1_to_128[,velocity_0_to127])
```

```
API.MidiNoteOn(channel_1_to_16,key_1_to_128[,velocity_0_to127])
```

```
API.MidiWrite(midi_byte[,midi_byte ...])
```

```
API.OutputsEnable(true|false)
```

```
API.PlayListAssert('playlist')
```

```
API.PlayListGo('playlist')
```

```
API.PlayListGotoAndExecuteFollows('playlist', cue)
```

```
API.PlayListGotoAndHalt('playlist', cue)
```

```
API.PlayListHalt('playlist')
```

```
API.PlayListHaltBack('playlist')
```

```
API.PlayListRelease('playlist',[,release_time])
```

```
API.ReleaseAll()
```

```
API.SerialClose()
```

```
API.SerialOpen(['script'])
```

```
API.SerialRead()
```

```
API.SerialWrite('output string' or binary_byte or table [...])
```

```
API.SetLevel('fixture_string', 'level_string' [,fade_time_seconds])
```

```
API.SystemRestart([<maintain state>true|false])
```

```
API.SystemShutdown()
```

```
API.WriteLogMessage('message', 'category', severity_1_to_10)
```