



## Serial Communication API

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

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

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

If controlling Choreo 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)
print(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.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)
```