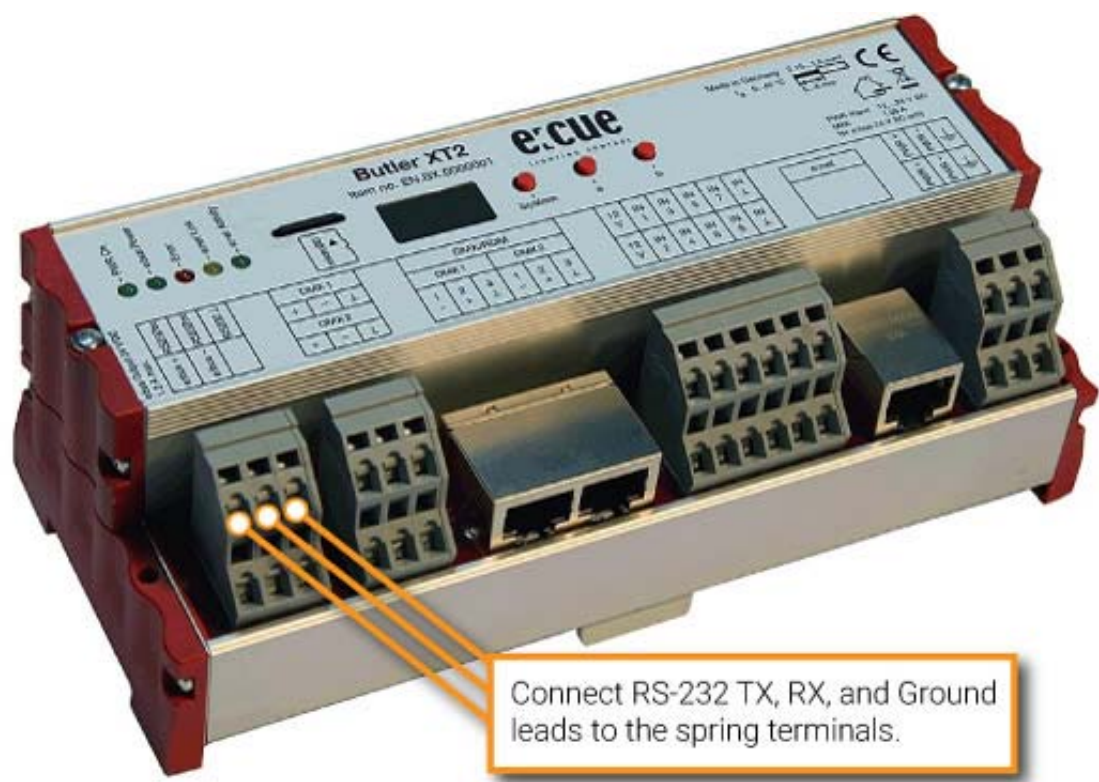


Butler XT2 RS-232 interface

The Butler XT2 supports control via RS-232. With the right information it is a fairly straightforward protocol to use. The RS-232 protocol allows for access to the following features:

Physical Connection



Connection Settings

Parameter	Setting
Baud	9600
Bits	8
Parity	None
Stop Bit	1

Protocol Details

The protocol is fairly simple and contains only a few commands. All commands have the following aspects in common:

- Each command starts with a two-letter command code
- Each command has one or two 3-digit parameter with [leading 0's](#)
- All commands must be followed by a newline and a carriage return (`\r\n` or `\0x0d\0x0a`) to be recognized by the buttlr

Command Code	Parameters	Action	Example
PC	1 - Cuelist Index	Play cuelist	Play cuelist 5: <code>PC005\r\n</code>
TP	1 - Cuelist Index	Toggle cuelist on/off	Toggle cuelist 3: <code>TP003\r\n</code>
PP	1 - Cuelist Index	Toggle cuelist play/pause	Toggle cuelist 35 pause: <code>PP035\r\n</code>
NX	1 - Mutex Group Index	Play the next cuelist in a <i>mutex group</i> ¹	Play next cue in <i>mutex group</i> 3: <code>NX003\r\n</code>
PX	1 - Mutex Group Index	Play the previous cuelist in a <i>mutex group</i> ¹	Play previous cue in <i>mutex group</i> 75: <code>NX075\r\n</code>
IN	1 - Fader Index 0 = Grandmaster 1-99 = Cuelist Master 129-193 = Versatile master	Set the level of a fader. Versatile masters 1-64 are mapped to indicies 129-193.	Grandmaster to 50%: <code>IN000050\r\n</code> Cuelist submaster 5 to 80%: <code>IN005080\r\n</code> Versatile master 3 to

	2 - Level (0-100)		100%: IN131100\r\n
ST	1 - Cuelist Index	<p>Stop cuelist.</p> <p>If the index is 0, all cuelists will be stopped.</p>	<p>Stop All Cuelists:</p> <p>ST000\r\n</p> <p>Stop cuelist 22:</p> <p>ST022\r\n</p>

[1] A mutexgroup is a group of cuelists from which only one cuelist can play at any given time. If one cuelist in the group is playing and another is started, the original cuelist is stopped automatically and the new cuelist plays.