Operating modes

The PRO-BUF-1 can be configured manually using the 'Mode' pins (also referred to as 'hard-wiring') or via the web browser based configuration tool. Manually configuring the PRO-BUF-1 takes priority over the web configuration tool. An internet connection is not required to access the configuration tool. The factory default setting of the PRO-BUF-1 is 'Buffer Mode 3'.

"-" = connect to "PWR -"	"+" = connect to "PWR +"
N/C = No Connection i.e. leave floating	LED will pause for two seconds at the end of the sequence before continuing to flash again.

Mode Name	Description	Pin 1	Pin 2	LED	
Buffer 1	Input 1 → Output 1-12 Inputs Autobaud, Output baud rates follow input	-	N/C	1 Flash	Basic Modes
Buffer 2	Input 2 → Output 1-12 Inputs Autobaud, Output baud rates follow input	+	N/C	2 Flashes	
Buffer 3	Input 1 → Output 1-6, Input 2 → Output 7-12 Inputs Autobaud, Output baud rates follow inputs	N/C	-	3 Flashes	
Autoswitch 1	Basic Autoswitch, Input 1 OR 2 → Output 1-12 Inputs Autobaud Output baud rates follow Input 1 baud rate Presence of data detection only 2000ms Switch delay	-	-	4 Flashes	
Autoswitch 2	Smart Autoswitch Input 1 OR 2 → Output 1-12 Inputs Autobaud Output baud rates follow Input 1 baud rate Presence of data detection only* 2000ms Switch delay*	+	-	5 Flashes	Smart Modes
Combine 1	Combine, Input 1 AND 2 → Output 1-12 Inputs Autobaud, Output baud rates follow Input 1 Simple combine with no overload control**	N/C	+	6 Flashes	
Combine 2	Combine, Input 1 AND 2 → Output 1-12 Inputs Autobaud, Output 1 to 6 baud rates follow Input 1, Output 7 to 12 baud rates follow Input 2 Simple combine with no overload control**	+	+	7 Flashes	
User Defined Mode	PC / Remote Config***	N/C	N/C	Pulsing	

**Autoswitch 1 & Autoswitch 2 operate the same for initial release. Future release will include sentence and data inspection on the Smart Autoswitch mode (Autoswitch 2)*

***Future release will include smart duplicate deletion, overload indication and AIS stripped when Output baud rate is < 38400 bps on Combine modes*

****Initial release allows creation of User modes based on Basic Modes but allowing baud rates to be independently configured. Future release will include Alarm relay functionality.*

All Smart Modes will have additional features added in future firmware updates.