

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	-	N/C	1 Flash	Basic Modes
	Inputs Autobaud, Output baud rates follow input				
Buffer 2	Input 2 → Output 1-12	+	N/C	2 Flashes	
	Inputs Autobaud, Output baud rates follow input				
Buffer 3	Input 1 → Output 1-6, Input 2 → Output 7-12	N/C	-	3 Flashes	
	Inputs Autobaud, Output baud rates follow inputs				
Autoswitch 1	Basic Autoswitch, Input 1 OR 2 → Output 1-12	-	-	4 Flashes	
	Inputs Autobaud				
	Output baud rates follow Input 1 baud rate				
	Presence of data detection only 2000ms Switch delay				
Autoswitch 2	Smart Autoswitch Input 1 OR 2 → Output 1-12	+	-	5 Flashes	
	Inputs Autobaud				
	Output baud rates follow Input 1 baud rate				
	Presence of data detection only* 2000ms Switch delay*				
Combine 1	Combine, Input 1 AND 2 → Output 1-12	N/C	+	6 Flashes	Smart Modes
	Inputs Autobaud, Output baud rates follow Input 1				
	Simple combine with no overload control**				
Combine 2	Combine, Input 1 AND 2 → Output 1-12	+	+	7 Flashes	
	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**				
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.