

Name	Two Byte Command	Description
Ping Pi	0xAA 0x01	Pings payload to test communication
Calibrate Motor Count at Bottom	0xBA 0x01	Retracts payload, resets step count and encoder to minimum value
Calibrate Motor Count at Top	0xBA 0x02	Extends payload, resets step count and encoder to maximum value
Min. Success Cycle	0xBA 0x03	Complete 1 minimum success cycle
Full Extension Cycle	0xBA 0x04	Complete 1 full extension cycle
Start Automation*****	0xBA 0x05	Set automation flag as TRUE
Query Safe Mode	0xBA 0x06	Returns ON if safemode is set. Else return OFF.
Reset Step Count	0xBA 0x09	Resets step count to 0
Reset Max Step Count	0xBA 0x0A	Resets max step count to 1500
Query is_open	0xBA 0x0B	Returns ON if is_open is set. Else return OFF.
Turn off is_open	0xBA 0x0C	sets is_open flag to false
Turn on is_open	0xBA 0x0D	set is_open flag to true
Manual Extension and Retraction	0xCA 0x00-0x64	Manual extends to any height, second byte is percent extended
Nudge Up Nudge Down	0xDA 0x00 - 0x64 0xEA 0x00 - 0x64	Nudge up or down by specified percentage
Change cycle count	0xFA 0x00-0x03	Adjust cycle type
Safe Mode OFF	0xBB 0x00	Does nothing if safe mode not previously activated. If safe mode previously

		activated, essentially resets payload to initial state.
Safe Mode ON	0xBB 0x01	Halts motor and sets all relevant flags to false
Reboot Pi	0xDB 0x01	Reboots Pi