

## Futurlec Starbase Controller Firmware Version 131

### Staribus Commands

; Controller Core Commands					
; Command		Starbase Name	Purpose	Controller Restrictions	
;					
; CB00 CC00 0000		reset	Soft Controller Restart	None	
; CB00 CC01 0000		ping	Controller validity test	None	
; CB00 CC02 0000		getConfiguration	SB Virtual Command	n/a	
; CB00 CC03 0000		getModuleConfiguration	SB Virtual Command	n/a	
; CB00 CC04 0000		setModuleConfiguration	SB Virtual Command	n/a	
; CB00 CC05 0000		getConfigBlockCount	Returns size of instrument	None	
; CB00 CC06 0000		getConfigurationBlock	Returns requested 512 byte	None	
; CB00 CC07 0000		setConfigurationBlock	Writes 512 byte config block	None	
; CB00 CC08 0000		start	SB Virtual Command	n/a	
; CB00 CC09 0000		stop	SB Virtual Command	n/a	
; CB00 CC0A 0000		getVersion	Send Text string containing version	None	
;					
; Controller Utilities					
;					
; Command		Starbase Name	Purpose	Controller Restrictions	
;					
; CB01 CC00 0000		getClockDate	Read RTC Date	None	
; CB01 CC01 0000		setClockDate	Write RTC Date	Fail if capture active	
; CB01 CC02 0000		getClockTime	Read RTC Time	None	
; CB01 CC03 0000		setClockTime	Write RTC Time	Fail if capture active	
; CB01 CC04 0000		getTemperature	Read CPU Temperature	None	
; CB01 CC05 0000		getMemoryPage	Read EEPROM Page	None	
; CB01 CC06 0000		setMemoryPage	Write EEPROM Page	None	
; CB01 CC07 0000		copyResponseToClipboard	SB Virtual Command	n/a	
; CB01 CC08 0000		enableBacklight	Controls LCD Backlight	None	
;					
; Analogue Module					
;					
; Command		Starbase Name	Purpose	Controller Restrictions	
;					
; CB02 CC00 0000		getA2D	Read A2D Input	None	
; CB02 CC01 0000		getD2A	Read back set D2A value	None	
; CB02 CC02 0000		setD2A	Set D2A value	None	
;					
; Data Capture Module					
;					
; Command		Starbase Name	Purpose	Controller Restrictions	
;					
; CB03 CC00 0001		getSpace	Returns % of available Storage	None	
; CB03 CC00 0002		getSpace	Returns % of available Storage	None	
; CB03 CC00 0003		getSpace	Returns % of available Storage	None	
; CB03 CC00 0004		getSpace	Returns % of available Storage	None	
;					
; CB03 CC01 0001		getData	SB Virtual Command	n/a	
; CB03 CC01 0002		getData	SB Virtual Command	n/a	
; CB03 CC01 0003		getData	SB Virtual Command	n/a	
; CB03 CC01 0004		getData	SB Virtual Command	n/a	
;					
; CB03 CC02 0001		getDataBlockCount	Read last data block number	None	
; CB03 CC02 0002		getDataBlockCount	Read last data block number	None	
; CB03 CC02 0003		getDataBlockCount	Read last data block number	None	
; CB03 CC02 0004		getDataBlockCount	Read last data block number	None	
;					
; CB03 CC03 0001		getDataBlock	Read data block	None	
; CB03 CC03 0002		getDataBlock	Read data block	None	
; CB03 CC03 0003		getDataBlock	Read data block	None	
; CB03 CC03 0004		getDataBlock	Read data block	None	
;					
; CB03 CC04 0001		getRate	Read logging sample rate	None	
; CB03 CC04 0002		getRate	Read logging sample rate	None	
; CB03 CC04 0003		getRate	Read logging sample rate	None	
; CB03 CC04 0004		getRate	Read logging sample rate	None	
;					
; CB03 CC05 0001		setRate	Write logging sample rate	Fail if capture active	
; CB03 CC05 0002		setRate	Write logging sample rate	Fail if capture active	
; CB03 CC05 0003		setRate	Write logging sample rate	Fail if capture active	
; CB03 CC05 0004		setRate	Write logging sample rate	Fail if capture active	
;					
; CB03 CC06 0001		capture	Start and stop the logger	Fail if capture active	
; CB03 CC06 0002		capture	Start and stop the logger	Fail if capture active	
; CB03 CC06 0003		capture	Start and stop the logger	Fail if capture active	
; CB03 CC06 0004		capture	Start and stop the logger	Fail if capture active	
;					
; CB03 CC07 0001		captureRealtime	SB Virtual Command	n/a	
; CB03 CC07 0002		captureRealtime	SB Virtual Command	n/a	
; CB03 CC07 0003		captureRealtime	SB Virtual Command	n/a	
; CB03 CC07 0004		captureRealtime	SB Virtual Command	n/a	

```

;
; Instrument Plug-ins
;
; Command          Starbase Name          Purpose          Controller Restrictions
;
; CB04 CC00 0001    getRealtimeData        Get 4ch logger realtime Data    None
; CB04 CC00 0002    getRealtimeData        Get 8ch logger realtime Data    None
; CB04 CC00 0003    getTemperature         Read plug-in temp for VLF       None
; CB04 CC00 0004    getTemperature         Get Plug-in temp for Mag        None
;
; CB04 CC01 0001    INVALID COMMAND
; CB04 CC01 0002    INVALID COMMAND
; CB04 CC01 0003    getRealtimeData        Get VLF realtime Data          None
; CB04 CC01 0004    getRealtimeData        Get Mag Realtime Data          None
;
; CB04 CC02 0001    INVALID COMMAND
; CB04 CC02 0002    INVALID COMMAND
; CB04 CC02 0003    INVALID COMMAND
; CB04 CC02 0004    getGain                get Magnetometer Gain          None
;
; CB04 CC03 0001    INVALID COMMAND
; CB04 CC03 0002    INVALID COMMAND
; CB04 CC03 0003    INVALID COMMAND
; CB04 CC03 0004    setGain                set Magnetometer Gain          Fail if capture active
;
; CB04 CC04 0001    INVALID COMMAND
; CB04 CC04 0002    INVALID COMMAND
; CB04 CC04 0003    INVALID COMMAND
; CB04 CC04 0004    getXaxis                get Mag X Axis Data            None
;
; CB04 CC05 0001    INVALID COMMAND
; CB04 CC05 0002    INVALID COMMAND
; CB04 CC05 0003    INVALID COMMAND
; CB04 CC05 0004    getYaxis                get Mag Y Axis Data            None
;
; Broadcast Functions
;
; Command          Starbase Name          Purpose          Controller Restrictions
;
; CB00 CC00 0000    discover                Find Staribus connected         None
;                  Controllers. Uses broadcast
;                  address 0FEh
;

```