SynchroLinc Developer Notes
November 23, 2010

SynchroLinc Device Info:
SKU: 2423A5
DevCat: 07
SubCat: 09

SynchroLinc INSTEON commands:

Command	Message Direction	From Address	To Address	Message type	Cmd1	Cmd2	Data 1	Data 2	Data 3	Data 4	Data 5	Data 6	Data 7	Data 8	Data 9	Data 10	Data 11	Data 12	Data 13	Data 14
Set SyncroLinc Settings	To device	Sender's ID	Device's ID	Extended Direct	0x2E	0x00	0x00	0x02	Trigger Threshold (Hi Byte)	Trigger Threshold (Lo Byte)	Holdoff	Hysteresis	0x00	0x00	0x00	0x00	0x00	0x00	0x00	0x00
	Response	Device's ID	Sender's ID	Standard Ack	0x2E	0x00	0x00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Get SyncroLinc Settings	To device	Sender's ID	Device's ID	Extended Direct	0x2E	0x00	0x00	0x00	0x00	0x00	0x00	0x00	0x00	0x00	0x00	0x00	0x00	0x00	0x00	0x00
	Response	Device's ID	Sender's ID	Standard Ack	0x2E	0x00	0x00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	From device	Device's ID	Sender's ID	Extended Direct	0x2E	0x00	0x00	0x01	Trigger Threshold (Hi Byte)	Trigger Threshold (Lo Byte)	Holdoff	Hysteresis	0x00	0x00	0x00	0x00	0x00	0x00	0x00	0x00

Notes:
Trigger Threshold is in Watts, from 0x0000 (0 Watts) to 0x0708 (1800 Watts).
Holdoff is in approx 0.067 second increments, from 0x00 (0 seconds) to 0xFF (approx 17 seconds). Messages will transmit immediately once the holdoff time has passed.
Hysteresis is in Watts, from 0x00 (0 Watts) to 0xFF (255 Watts). This is the change that must occur before checking to trigger SyncroLinc.

Docklight Example
SynchroLinc ID: 18.F7.C6
PLM ID: 14.83.CA
Set SynchroLinc Settings:

```
// Trigger at 16 Watts → 00 10
// Holdoff for approx 0.067 seconds → 01
// Hysteresis set to 4 Watts → 04
11/23/2010 15:37:12.263 [TX] - 02 62 18 F7 C6 1F 2E 00 00 02 00 10 01 04 00 00 00 00 00 00 00 00
11/23/2010 15:37:12.269 [RX] - 02 62 18 F7 C6 1F 2E 00 00 02 00 10 01 04 00 00 00 00 00 00 00 00 06  Raw Serial Ext
02 50 18 F7 C6 14 83 CA 2B 2E 00  INSTEON Received
```

Get SynchroLinc Settings:

```
11/23/2010 15:37:35.528 [TX] - 02 62 18 F7 C6 1F 2E 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
11/23/2010 15:37:35.543 [RX] - 02 62 18 F7 C6 1F 2E 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 06  Raw Serial Ext
02 50 18 F7 C6 14 83 CA 2B 2E 00  INSTEON Received
02 51 18 F7 C6 14 83 CA 1B 2E 00 00 01 00 10 01 04 00 00 00 00 00 00 00 00  Extended INSTEON Received
```