

Integration Note

Manufacturer:	Sky (UK)
Model Number(s):	Sky+, Sky+ HD, Sky Multi-room
Crestron Processor Version:	Tested on 3 Series Processors, support for other versions not guaranteed
Driver Developer:	Intrinsic Dev, part of Intrinsic Group Limited
Document Revision Date:	20/09/2017

Overview & Supported Features

Intrinsic Group Limited's Sky+ HD module replicates the Sky remote and allows a Crestron Processor to communicate with Sky+ HD via Ethernet (IP), thus eliminating the need for unreliable IR control.

- Full IP control of Sky -> No more need for IR bugs
- 3-10 times faster than conventional IR control
- Works with Sky, Sky+, Sky+HD and Sky Multi-Room
 - o Sky Q version of this driver is also available

THE FOLLOWING OPTIONS ARE SUPPORTED BY THIS DRIVER:

Navigation & Transport control: This driver supports the following commands:

Cursor Up, Down, Left & Right (inc press to scroll)
Select & Backup
Rewind & Fast Forward
Play/Pause Toggle
Home and Menu
Channel Up & Down
Numbers
All Sky+ HD Remote Control Buttons

Continued Dealer Support

Intrinsic Group's offer free licenses for showrooms and dealer's own homes – just drop us a support ticket. All of our drivers are backed up by our online ticketing system.

Any feature not specifically noted as supported should be assumed to be unsupported.
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Disclaimer

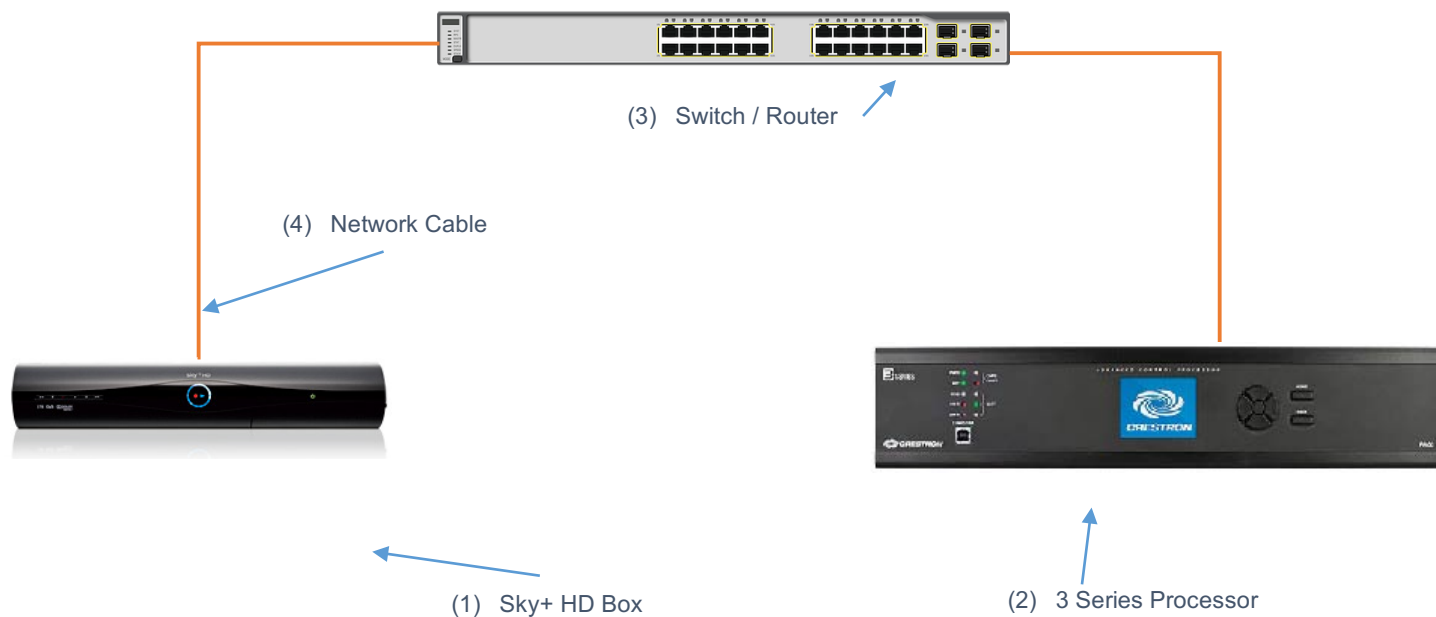
Intrinsic Group's drivers are created to the highest standard, developed with industry leading practices, including bench and real world field testing.

Intrinsic Group Limited advise that dealers take advantage of our free show room driver to thoroughly test and familiarise themselves with our drivers and their capabilities before installing on a customer site.

Intrinsic Group offer dedicated support to help dealers, though Intrinsic Group Limited accept no liability for any loss, delays, damage or otherwise, whether resulting from the use of their drivers or otherwise. Drivers are provided without warranty with respect to the product they are controlling. Intrinsic Group do not guarantee the continuous functionality should the product manufacture implement a change to their product. We constantly update our drivers to improve functionality and remove any bugs that may arise, with updates being provided at no costs for the listed, supported models in this integration note. Major updates of product may lead to the need to purchase versions of drivers.

CONNECTION DIAGRAM: ETHERNET CONTROL

Refer to the Bill of Materials and Wiring Diagram that follow.



BILL OF MATERIALS

#	Device	Manufacturer	Part Number	Protocol	Connector Type
1	Sky HD Box	Sky (UK)	Sky+, Sky+ HD	Ethernet	RJ-45 Female
2	3 Series Processor	Crestron	Various (e.g. RMC3, CP3)	Ethernet	RJ-45 Female
3	Network Switch	Various	Various	Ethernet	RJ-45 Female
4	Network Cable	Various	Various	Ethernet	RJ-45 Male

SKY+ HD Box SETUP

Recommended Action : Static IP

We recommend you assign a static IP to your Sky Box and ideally use a wired connection. We recommend that you also disable “eco-mode” if you are using a Sky+ HD Box.

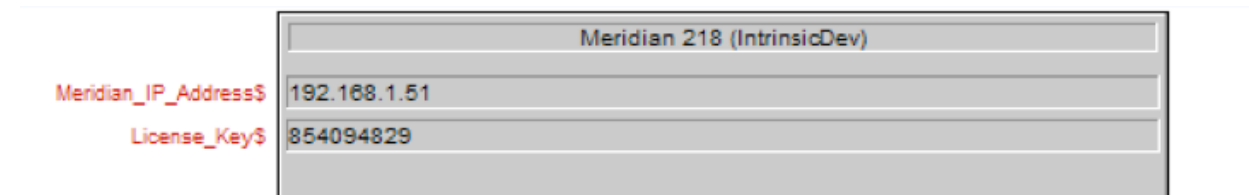
DRIVER LICENSE

This driver requires a license key to function. Pricing and license keys can be obtained by visiting www.intrinsicdev.co.uk . License keys are issued on a per processor basis. You only need a single license key for multiple installations on the same processor.

The Crestron controller MAC address is needed to generate a license key. If you are in doubt, a free MAC address finder tool is available from our website.

INSTALLATION:

The license key is entered on the top of the module in the License_Key\$ parameter field.



*Example Image

Licensing takes place automatically, after you have uploaded your Simpl Windows program to the processor.

Please check that you have correctly entered your processor's MAC on the website and the license key you received before logging a support ticket.

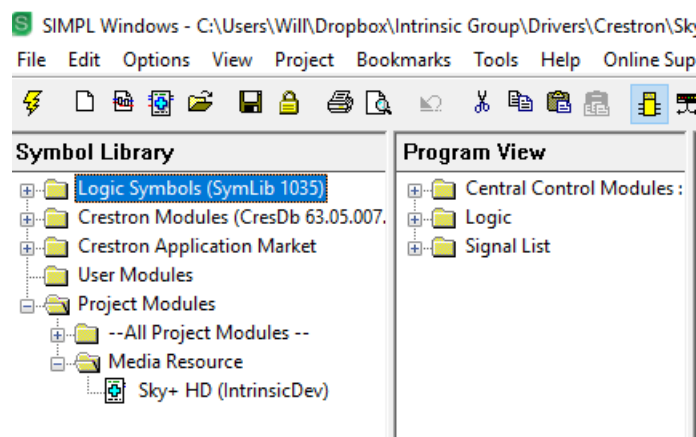
Simpl Windows CONFIGURATION

The installation process will involve loading a SIMPL+ Module into your SIMPL Windows file. To do this you will need to place the downloaded files either in the folder containing your project file (smw) or in your SIMPL Windows installation's User SIMP+ folder to make it appear in all programs.

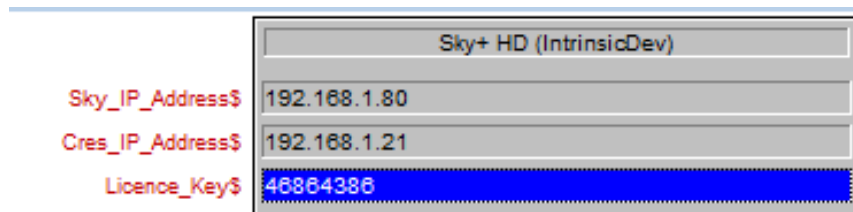
Each Sky box requires a different instance of the Sky Module within the program, however, you only need to purchase one license per controller – the same license key works throughout.

INSTALLATION PROCESS

1. Download the latest version of the driver from the Intrinsic Dev website.
2. Copy the download files to the folder containing your project file (smw) or in your SIMPL Windows installation's User SIMP+ folder to make it appear in all programs.
3. Select the Module which will be listed as a Media Resource



4. Enter the IP Address of the Sky Box in the appropriately labelled parameter field. Once complete enter the license key in the relevant box



5. Complete your programming as required. When any of the signals is driven high, the module functions in the same way as the Sky remote control and so transmits the corresponding command to the Sky box that you are controlling. Where keys should repeat, such as navigation, channel up/channel down, the driver automatically handles repeat presses for as long as the signal is driven high
6. Compile and upload your completed program to your processor.

CONFIGURATION DETAILS

Sky+ HD (IntrinsicDev)	
Sky_IP_Address\$	192.168.1.72
License_Key\$	828854583
[Sky1]_Box_Office	Box_Office
[Sky1]_Sky	Sky
[Sky1]_Exit	Exit
[Sky1]_Power_Toggle	Power_Toggle
[Sky1]_Interactive	Interactive
[Sky1]_Help	Help
[Sky1]_Service	Services
[Sky1]_Guide	Guide
[Sky1]_Info	Info
[Sky1]_Red	Red
[Sky1]_Green	Green
[Sky1]_Blue	Blue
[Sky1]_Yellow	Yellow
[Sky1]_Digit_0	Digit_0
[Sky1]_Digit_1	Digit_1
[Sky1]_Digit_2	Digit_2
[Sky1]_Digit_3	Digit_3
[Sky1]_Digit_4	Digit_4
[Sky1]_Digit_5	Digit_5
[Sky1]_Digit_6	Digit_6
[Sky1]_Digit_7	Digit_7
[Sky1]_Digit_8	Digit_8
[Sky1]_Digit_9	Digit_9
[Sky1]_Play	Play
[Sky1]_Pause	Pause
[Sky1]_Stop	Stop
[Sky1]_Record	Record
[Sky1]_Fast_Forward	Fast_Forward
[Sky1]_Rewind	Rewind
[Sky1]_Select	Select
[Sky1]_Key_Up	Key_Up
[Sky1]_Key_Down	Key_Down
[Sky1]_Key_Left	Key_Left
[Sky1]_Key_Right	Key_Right
[Sky1]_Channel_Up	Channel_Up
[Sky1]_Channel_Down	Channel_Down
[Reference Name]	

COMMON MISTAKES

1. Driver doesn't license - Incorrect IP address entered for Crestron Processor or incorrect license key entered
2. No control – your driver is not licensed (check debug) or the IP Address of your Sky Box is incorrect
3. Failing to properly assign a static IP address or DHCP reservation
4. Failure to disable eco mode on Sky+ HD Boxes

This module is written and supported by:



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