

SkyQ IP Driver For Crestron

Revision: 2.00

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SUMMARY

Ultamation's SkyQ IP control module for Crestron control systems replicates the Sky Q remote control over IP. (No more need for IR bugs)

This Datasheet provides the essential information required for integrating Sky Q Main and Sky Q Mini Boxes with a Crestron control processor, and information on programming the module with a host Crestron program.

This module is compatible with 3-Series and 4-Series Crestron systems and has been tested with UK Sky Q Main and Mini Boxes (both pre and post firmware Qo60.)

We recommend testing the module prior to purchase by downloading it and using the provided 1-hour trial period.



INSTALLATION NOTES

The Crestron system communicates with the Sky Q box directly via an IP connection. The Sky Q box should have a static IP address set, and we would recommend using a physical connection between the Sky boxes and the network, and please ensure that the WiFi system is disabled on the Sky boxes to avoid potential network loops.

Each SkyQ box requires a different instance of the module within the program.

The licence key is tied to your processor MAC address and can be used for multiple instances of this module on the same processor. Therefore, if you have three Sky boxes in the same project you will only require one licence.

PROGRAMMING NOTES

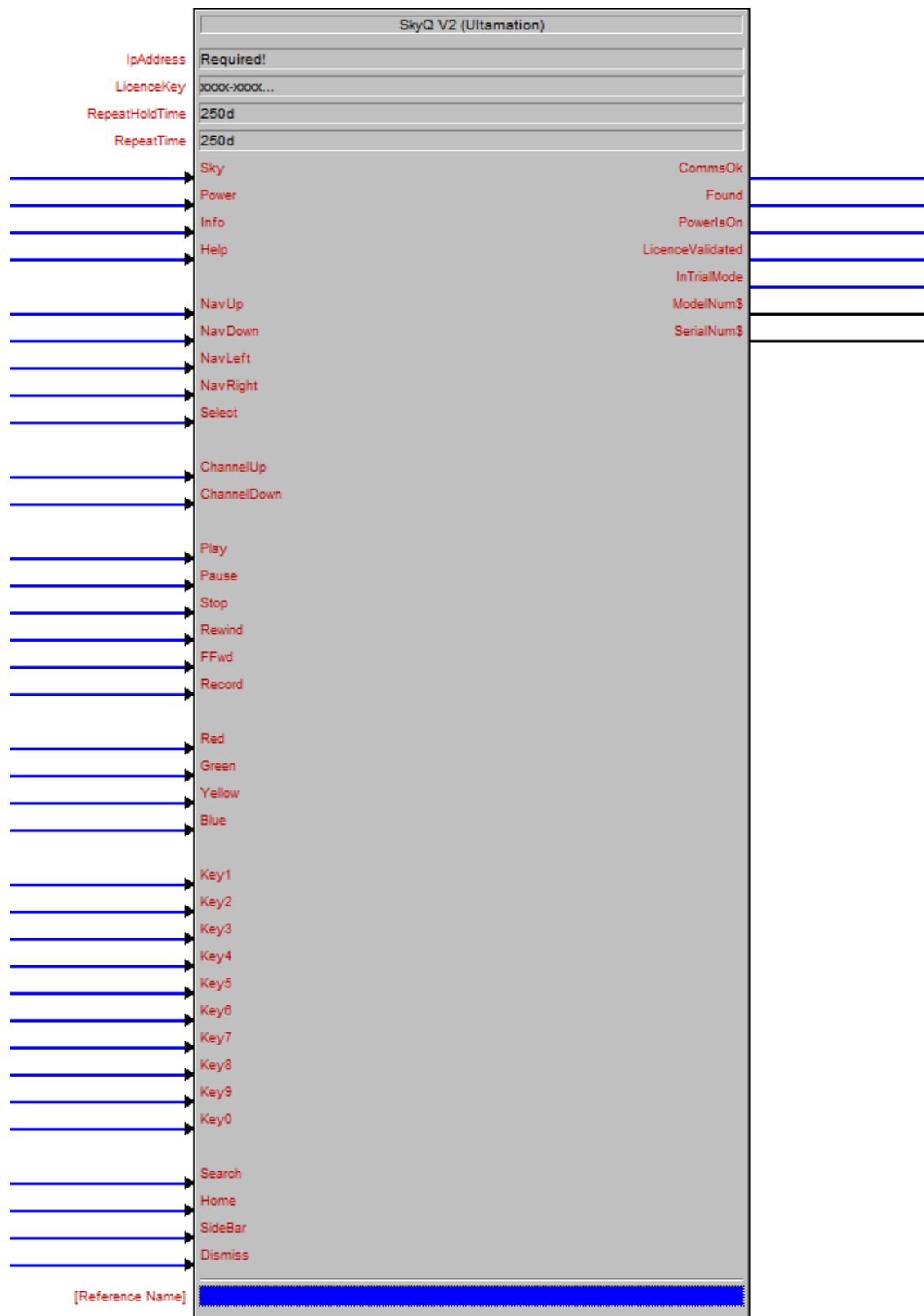
Each of the module files (see below) should be placed either in the host program's project folder or, to make the Sky module available to all Crestron programs, in the SIMPL Windows installation's User SIMPL+ (for .usp, .ush and .clz files) directories. This pdf should be placed in the same directory for SIMPL's F1 help function to work properly.

The module consists of a single SIMPL+ wrapper module to the core SIMPL# driver:

- SkyQ (Ultamation) v2.xx.usp & .ush
- Ultamation.Simpl.SkyQ.clz
- Ultamation.Simpl.SkyQ.pdf (this file)



MODULE DETAILS



Configure the signals/parameters of the module as follows;

Parameters

IpAddress – Enter the IP address of the Sky box to be controlled.

LicenceKey – Enter the Licence Key that you received via email following purchase of the module. This licence key is associated with a specific Crestron processor's serial number and will NOT validate on a different processor. The module will function without restrictions for a 1-hour trial period without the licence key, enabling you to try it before buying it.

RepeatHoldTime – The length of time a signal needs to be held high before repeat is triggered.

RepeatTime – Once repeat is triggered this sets the length of time between each instance of the repeat.

Inputs

Sky – Use this signal to take you to your recordings; it also wakes your sky box from active standby.

Power – Use this signal to place the Sky Q box into or wake from active standby.

Info – Bring up information on the currently selected programme.

Help – Whilst watching a programme this signal will bring up the accessibility settings; within the menu it brings up the help info.

Nav[*] – These signals provide navigation control for Sky Q. A rising edge will send a single command.

Play/Pause etc. – These signals provide simple transport control. The effect will depend on the current device state. i.e., Pause will only function if the device has a programme playing.

Coloured buttons – These signals are used for interactive services.

Number keys – Use these signals to issue numbers 0-9. Whilst the Search menu is active multiple presses on a number key will enter its associated letter.

Search – This signal brings up the Sky Q Search menu.

Home – This signal will take you to the Sky Q Home menu. It also wakes your Sky box from standby.

Sidebar – This signal brings out the new sidebar menu, where you can launch apps such as "Sky News HQ".

Dismiss – Whilst in Sky Q menus or when a programme is paused this signal will cause Sky Q to return to live broadcast. This signal will also stop a recorded show or exit an app.

Outputs

CommsOk – This signal goes high after the module has successfully sent a command to the device. The signal will then remain high and only go low if a subsequent command fails.

Found – This signal goes high when the module has successfully connected to the Sky Q box.

PowerIsOn – This signal will go high when the Sky Q device is powered on and not on standby.

LicenceValidated – This signal will go high if a valid Licence Key has been entered.

InTrialMode – This signal will go high during the driver's 1-hour trial period.

ModelNum\$ – This signal shows the current firmware version of the Sky Q device.

SerialNum\$ – This signal shows the serial number of the Sky Q device.

SUPPORT

If you have any issues with a driver or installation contact Ultamation support at support@ultamation.com. Please include as much detail about your issue as possible, such a recent processor error log.

LICENCE

This module (including software, images and any and all other associated assets distributed as part of the purchased download package) is licenced on a PER PROCESSOR basis.

A licence key is generated at the point of purchase and is linked at that time to specific information that MUST be provided at the time of purchase. A purchase should not be completed without correct information as refunds cannot be issued for errors or changes made to details following purchase.

The licence key for each device will be delivered via email along with links to download the module. There is no physical delivery.

The module is provided without any warranty with respect to Sky's IP Control. We will endeavour, through best efforts, to maintain the module's functionality and any bug fixes will be provided free-of-charge. Additional functionality may be released as a variation of this module and this will be a separate, purchasable, product.