
Sky UK Now & Next

Revision: 1.00
Date: 10 April 2015

Summary

This datasheet relates to Ultamation's Sky UK Now and Next module for Crestron 3-series control systems.

The purpose of this module is to provide access to Sky UK's Now and Next data for a particular channel. All data is outputted in serial text ready for displaying directly on a Crestron user interface or for further parsing within your Crestron program.

The information from this module will accurately mirror Sky's website, electronic programming guide (EPG) and mobile applications for a consistent experience.

The key features of the control are as follows:

- Presents the channel name logo and EPG number, programme name, description, start time, programme position for the current program as well as programme name, description and start time for the upcoming programme.
- Retrieves programme artwork for both the current and upcoming programme from Sky's image libraries in real time to be used anywhere on your user interfaces.
- Allows the TV broadcast region per module instance so that regional programming is shown correctly.
- Automatically updates information every 30 seconds with a global enable.
- Auxiliary information about the current channel's genre and subscription status.

Limitations:

- NOTE: This module is built around SIMPL# which requires a Crestron 3-Series processor. This module **will not work** with 2-series, X-Gen or earlier control systems.
- No radio channel data is shown. Sky UK does not currently offer programme information on radio channels.

Installation

1. Copy the following files into your project folder at the same level as your SIMPL Windows program (.smw):
 - o SkyUKNowAndNext (Ultamation) v1.00.usp
 - o SkyUKNowAndNext (Ultamation) v1.00.ush
 - o UltamationSkyWebServices.clz
2. Open your Simpl Windows program and drag the module (found under the Remote System Interface category) into your program tree.
3. Select the appropriate TV broadcast region using the Region parameter
4. Connect signals to your programming using the Programming sheet below for reference.

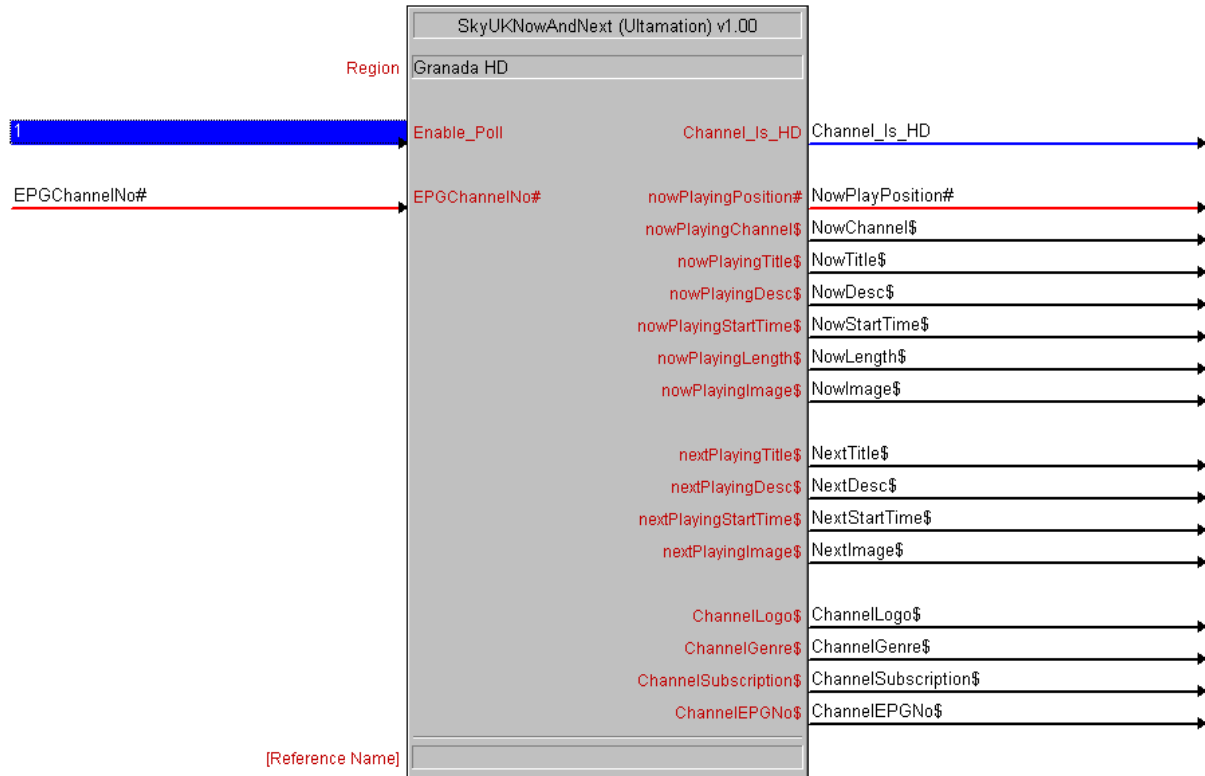
Version Information

This module has been compiled and tested under:

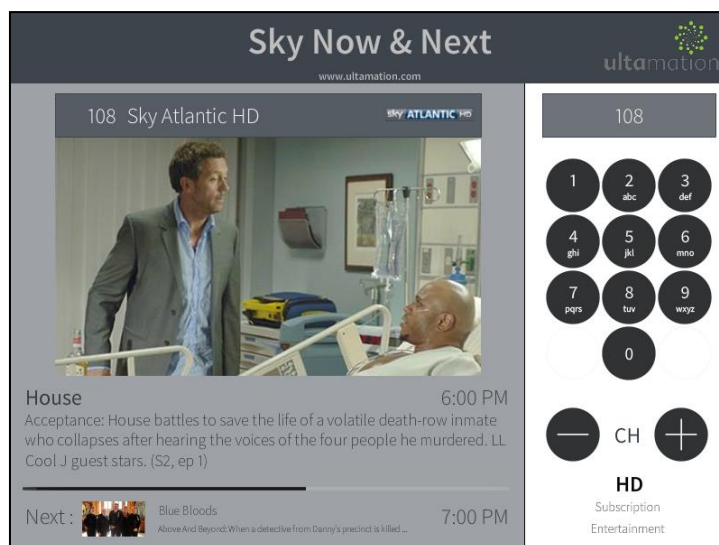
SIMPL Windows: 4.02.56

VTPro-e: 5.6.06

Module Representation



Example User Interface



DATASHEET



Programming

Property	Type	Purpose
Enable_Poll	Digital In	On a rising edge the auto update poll timer will be initialised maintaining the Now and Next data. On a falling edge the auto update poll timer will be stopped. Tie this signal to an OR, or similar, so the updates only when the data is required. It is ok to put a 1 on this signal.
EPGChannelNo#	Analog In	Updates the channel information on change.
Channel_Is_HD	Digital Out	High if the channel is defined as being HD capable. It is not indicative that the programme is being broadcast in HD.
nowPlayingPosition#	Analog Out	0-65535. A full scale representation of how much of the current programme has elapsed.
nowPlayingChannel\$	Serial Out	The current channel
nowPlayingTitle\$	Serial Out	The current programme title
nowPlayingDesc\$	Serial Out	The current programme description
nowPlayingStartTime\$	Serial Out	Textual representation of the current start time in 24 hours (hh:mm)
nowPlayingLength\$	Serial Out	Textual representation of the length of the current programme in mins with suffix label.
nowPlayingImage\$	Serial Out	URL reference for current programme artwork
nextPlayingTitle\$	Serial Out	The upcoming programme title
nextPlayingDesc\$	Serial Out	The upcoming programme description
nextPlayingStartTime\$	Serial Out	Textual representation of the upcoming programme start time in 24 hours (hh:mm)
nextPlayingImage\$	Serial Out	URL reference for upcoming programme artwork
ChannelLogo\$	Serial Out	URL location for current channel logo artwork
ChannelGenre\$	Serial Out	EPG genre category for current channel
ChannelSubscription\$	Serial Out	Subscription status for the current channel. Shown as either Free To Air or Subscription. With subscription indicating a encrypted channel requiring a valid Sky subscription to view
ChannelEPGNo\$	Serial Out	Textual representation of the EPG number.
Region	Parameter	Allows selection of TV broadcast region to regionalise output data.

Licence

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For this purpose, Ultamation define a PROJECT as a single “conceptual” system as viewed by an end-user (not necessarily the commissioning “client”).

Examples:

A large residential system with multiple processors and touch panel types is a SINGLE PROJECT.

A common system, rolled out across many apartments in a Multi-Dwelling-Unit project would be considered as MULTIPLE PROJECTS.

A generic system, deployed to multiple teaching rooms in an educational establishment would be considered as MULTIPLE PROJECTS.

Each PER PROJECT purchase must indicate the project name at checkout.

A LIFETIME licence is also available from the Ultamation Shop.

Abuse of this licence will result in an unconditional invoice for a LIFETIME licence for the module being issued.

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