



Driver – Samsung QN43QN90DAFXZA Flat Panel Display IP

This release note is for the Crestron driver FlatPanelDisplay_Samsung_QN43QN90DAFXZA_IP

Notes and Recommendations

This driver supports five types of TV sources:

- Analog antenna TV (AATV)
- Digital antenna TV (DATV)
- Analog cable TV (ACTV)
- Digital cable TV (DCTV)
- Samsung TV plus

System Requirements and Dependencies

Requires driver framework/SDK version - 14.x

A list of platforms with specific SDK versions can be found in the specifications section of <https://www.crestron.com/Products/Control-Hardware-Software/Software/Development-Software/SDK-CD>.

Installation/Upgrade Instructions

- Follow the on-screen prompts to configure the driver.
- The MAC address user attribute must be populated before accepting the onscreen token.
- Apps need to be installed on the TV and added to the Home page, so they can be controlled as a media service.
- Pairing of Display with Driver
 - When performing initial pairing with the display, the display will popup a message that must be accepted.
 - The onscreen popup must be accepted in a timely manner to control the TV seamlessly.

End-User Experience

- Ambient Mode
 - Ambient Off still leaves you in Art Mode
 - To exit Art Mode completely, user needs to either go to Media then Source, or select the actual Source
- Command support for Display Rotator Control is included within this driver and with Rotating Accessory the feature is supported on several sizes of this Series model.
- Multiview Modes
 - Command support for MultiView modes is included within this driver.
 - Samsung only allows up to three MultiView modes being saved.

Limitations/Known Issues

- Media Services feedback isn't supported by this driver.
- It isn't recommended using the TV remote, and the driver at the same time. In doing so, there is the possibility of a loss of synchrony between the device and the Crestron ecosystem.
- The default names Samsung assigns to MultiView modes should be kept as is, for the driver to be able to select them.

Supported Features

- Power
 - Power Feedback
 - Discrete Power
 - Toggle Power
 - Warm Up Time
 - Cool Down Time
- Volume
 - Volume Percent Feedback
 - Set Volume
 - Change Volume
 - Mute
 - Discrete Mute
 - Mute Feedback
- Inputs
 - Input Feedback
 - Set Input Source
 - Video Input Feedback
 - Set Video Input Source
 - Audio Input Feedback
 - Set Audio Input Source
- Navigation
 - Arrow Keys
 - Exit
 - Home
 - Menu
 - Select
- Keypad
 - Keypad Number
 - Dash
 - Enter
- Color Keys
 - Color Buttons
- Channel

- Change Channel
 - Channel Feedback
 - Set Channel
 - Keypad Number
- Media Transport
 - Play
 - Pause
 - Stop
 - Forward Scan
 - Reverse Scan
 - Return
 - Back
- Video Configuration
 - Display Modes
- Device Inputs
 - HDMI 1
 - HDMI 2
 - HDMI 3
 - HDMI 4
- Available Media Services
 - ABC News
 - Amazon Alexa
 - Amazon FreeVee
 - Amazon Music
 - Amazon Prime
 - AMC
 - AMC+
 - Analog Cable TV
 - Analog TV
 - Apple Music
 - Apple TV
 - Bixby
 - Bloomberg
 - BritBox
 - CBS News
 - CNN
 - Crackle
 - Crunchyroll
 - Dazn
 - Deezer
 - Digital Cable TV
 - Digital TV

- DirecTV Stream
- Discovery+
- Disney+
- epix
- ESPN
- Food Network GO
- FOX Sports
- fuboTV
- HGTV GO
- Hulu
- iHeartRadio
- Internet
- ITV Player
- Max
- MLB
- NBC
- NBC Sports
- Netflix
- NOW
- Pandora
- Paramount+
- PBS
- Peacock
- Plex
- Pluto TV
- Red Bull TV
- Samsung Health
- Samsung TV Plus
- SiriusXM
- Sling TV
- Smart TV
- Spotify
- Starz
- TBS
- TNT
- TikTok
- Tubi
- UFC
- Viki Rakuten
- FANDANGO AT HOME-VUDU
- YouTube

- YouTube TV
- Custom Commands
 - AmbientOn
 - AmbientOff
 - SetPictureModeStandard
 - SetPictureModeDynamic
 - SetPictureModeMovie
 - SetPictureModeFilmmaker
 - SetSoundModeStandard
 - SetSoundModeAmplify
 - SetDisplayRotatorControlPortrait
 - SetDisplayRotatorControlLandscape
 - SetMultiViewMode1
 - SetMultiViewMode2
 - SetMultiViewMode3

Test Environment

Crestron Software

- Crestron database - 228.05.002.00
- Crestron Home - 4.04
- AVF - 7.01

Devices Used For Testing

- Samsung 2024 QN43QN90DAFXZA (Firmware version: T-PTMDAKUC-1301.1, F03C2050, BT-S)

Supported Models

QN43QN90DAFXZA	QN85QN85DBFXZA	QN85QN90DD
QN85QN95DAFXZA	QN75QN85DBFXZA	QN75QN90DD
QN75QN95DAFXZA	QN65QN85DBFXZA	QN65QN90DD
QN65QN95DAFXZA	QN55QN85DBFXZA	QN55QN90DD
QN98QN90DAFXZA	QN85QN85DDFXZA	QN50QN90DD
QN85QN90DAFXZA	QN75QN85DDFXZA	QN43QN90DD
QN75QN90DAFXZA	QN65QN85DDFXZA	QN85QN85DB
QN65QN90DAFXZA	QN55QN85DDFXZA	QN75QN85DB
QN55QN90DAFXZA	QN85QN95DA	QN65QN85DB
QN50QN90DAFXZA	QN75QN95DA	QN55QN85DB
QN85QN90DDFXZA	QN85QN90DA	QN85QN85DD
QN75QN90DDFXZA	QN75QN90DA	QN75QN85DD
QN65QN90DDFXZA	QN65QN90DA	QN65QN85DD

QN55QN90DDFXZA	QN55QN90DA	QN55QN85DD
QN50QN90DDFXZA	QN50QN90DA	
QN43QN90DDFXZA	QN43QN90DA	

Supported Platforms

4-Series

Contact Information

Contact Crestron TrueBlue support for assistance with this driver.

Version History

1.0000.0005 - 04/01/2025

- Initial driver release

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