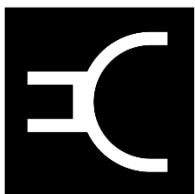


# CASCADE

## SYSTEM RELEASE V1.1

LAND MOBILE RADIO – PRODUCT RELEASE NOTES



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**Updated June 2019**

# CASCADE – System Release v1.1

## Product Release Notes



## Overview

The Codan Cascade System Release v1.1 builds on our initial standalone VHF release of the Cascade repeater platform with additional functionality and improved performance.

The key feature introduced in the release is the addition of Analog operation.

For further technical detail on the Cascade Infrastructure platform, please visit our website:

<https://codancomms.com/products/cascade>

For further product information and technical questions, please contact Codan LMR Inside Sales at [LMRSales@codancomms.com](mailto:LMRSales@codancomms.com).

For technical assistance with this product, please contact Codan LMR support at [LMRSupport@codancomms.com](mailto:LMRSupport@codancomms.com).

## What's New

### Software Features

- Addition of Analog operation, including:
  - P25/Analog Mixed Mode
  - CTCSS and DCS sub-audible signalling.
- Graphical User Interface (GUI) updates and improvements.

### Hardware Features

- Addition of optional SMA-N adapter kit (CASC-SR-CN-001).

### Performance and Functional Features

- RF performance improvements.
- Updated RoHS Certification.

## Availability

- Hardware and Software will ship standard on all Codan Cascade equipment.
- Existing equipment may be upgraded by contacting Codan LMR support at [LMRSupport@codancomms.com](mailto:LMRSupport@codancomms.com).

# CASCADE – System Release v1.1

Product Release Notes



## Version Information

### Component Versions

Product		
	Software/ Firmware Bundle Version	Hardware Version (Combined Assy.)
All Programmable Elements	1.1.X	
CASC-TR-01-165		Rev. 15
CASC-PA-00-165		Rev. 14
CASC-PS-48-012		Rev. 12
CASC-SR-00-001		Rev. 13
CASC-FP-00-001		Rev. 12
CASC-SR-CN-001		Rev. 10

### Software Update Releases

- V1.1.0: Initial Release, April 2019
- V1.1.1: Bug Fixes and Documentation Updates, June 2019

## Compatibility

### Product Compatibility

- The Codan Cascade System Release v1.1 product is compatible with other Codan Communications LMR equipment via the Common Air Interface (CAI).
- All standard (non-proprietary) functions on P25 compliant third party VHF digital communications equipment is supported, as per the TIA standard.

### Version Compatibility

- The Codan Cascade System Release v1.1 product is compatible with Cascade System Release v1.0 hardware and software and may be upgraded through the standard GUI-based upgrade process.

### Browser Compatibility

The Codan Cascade System Release v1.1 product has been verified for use with the following internet browsers:

- Google Chrome version 72.3626.121