

Customer Programming Software (CPS)

TETRA Terminals

CPS^{Plus} Release 8.2

Software Version: R8.2.68

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<https://myview.motorolasolutions.com/>

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Change History

Rev	Date	Author	Description
A	27 May 2024	M. Polak	Released Version

Acronyms and Abbreviations

Acronym	Definition
CP	Code Plug (Firmware)
CPS	Customer Programming Software
CPS Plus	The next generation of the TETRA CPS
EID	Entitlement ID
ISSI	Individual Short Subscriber Identity
ITSI	Individual TETRA Subscriber Identity
MMI	Man-Machine Interface
MRC	Multiple Radio Control
MS	Mobile Station
OTAP	Over the Air Programming
RPK	Release Packet
TETRA	Terrestrial Trunked Radio
UI	User Interface

Introduction.....	4
1. WHAT'S CHANGED IN THIS RELEASE.....	4
1.1 New Features.....	4
1.2 Features now made available or improved.....	4
1.3 Features removed in this Release.....	4
2. PRODUCT AND RELEASE INFORMATION.....	4
2.1 Important Information, Warnings, Limitations.....	5
2.2 CPSPlus 8.2 Installation, Activation and Upgrade.....	5
2.3 Sales Model.....	6
2.4 Features Implementation.....	7
2.5 Customer Impacting Statements (CISs).....	7
2.6 Release Version Information (Release Name).....	7
3. Accessories.....	7
4. Annex A – CPS R8.2 System Requirements.....	8
4.1 Computer Hardware.....	8
4.2 Computer Operating System.....	8
5. Annex B – Requesting License Transfer to a Different PC.....	8
6. Annex C – Release compatibility with radio firmware.....	9

Introduction

The purpose of this document is to introduce the reader to the Customer Programming Software (CPS) Release 8.1. This document provides an initial overview of the key functionality introduced with this release. It is expected that ALL Users will access the comprehensive information on CPS^{Plus} 8.1 contained in the associated CPS Startup User Guide along with the updated Product Feature Guides and finally the individual Software Release Notes which are essential reading on any Existing or NEW Software Release. The primary public location for all of this information is

Motorola Learning Experience Portal (LXP) at the following link

<https://learning.motorolasolutions.com/>

Users can also access this release note and the installation files at the **MyView** Portal via free subscription to TETRA Terminals documents

<https://www.myview.motorolasolutions.com/>

1. WHAT'S CHANGED IN THIS RELEASE

1.1 New Features

Feature	Summarized Description	Enablement Needed	Platforms Affected
MR2024.1 support	Please refer to the MR2024.1 release note for the details of the release	No	All
MXM600 support	CPS supports creation and usage of Custom Profile, self created profile	No	All

1.2 Features now made available or improved

Feature	Summarized Description	Enablement Needed	Platforms Affected
Codeplug comparison between releases	CPS compare window provides information about selected tab	No	All
5-digit support for MR releases	CPS supports extended software release version	No	All

1.3 Features removed in this Release

N/A

2. PRODUCT AND RELEASE INFORMATION

2.1 Important Information, Warnings, Limitations

- The first connection of the MXP600 radio may not work when the Proxy is upgraded to the newer version. In such cases open the Device Manager and Update Driver using the Automatic search.
- Do not try activating licenses for both iTM and CPS on the same machine. Any attempt of activating iTM and CPS licenses for the same Host ID will result in rejecting the license in iTM System altogether.
- When activating your CPS installation please take note of the Host ID number displayed on the activation screen. Store that number in a safe place so you can access it in a case of PC failure. In such cases a CPS license can be transferred to another machine only if the Host ID of the original PC is provided.
- The recommended maximum number of portable radios which can be connected simultaneously is 16 units. The number of operations are limited to free RAM.
- The recommended maximum number of mobile radios which can be connected simultaneously is 4 units. The number of operations are limited to free RAM.
- After installation of CPS a reboot is required to reflect the driver updates for CPS.
- Radio downgrade will only keep the tuning data and reset all other codeplug fields back to default. This functionality may be used ONLY on new radios from the factory. To roll back a radio to a previous version use "Tools->Restore Radio" instead of the downgrade.

2.2 CPS^{Plus} 8.2 Installation, Activation and Upgrade

CPS installation SW is available for download from MyView portal (see links on the title page). It can also be ordered on a DVD.

After the CPS installation, an activation of the software is required in order to get the fully operational application. CPS can also run without the activation and then it can be used as a license interface terminal. That allows receiving the license files for CPS and iTM running offline.

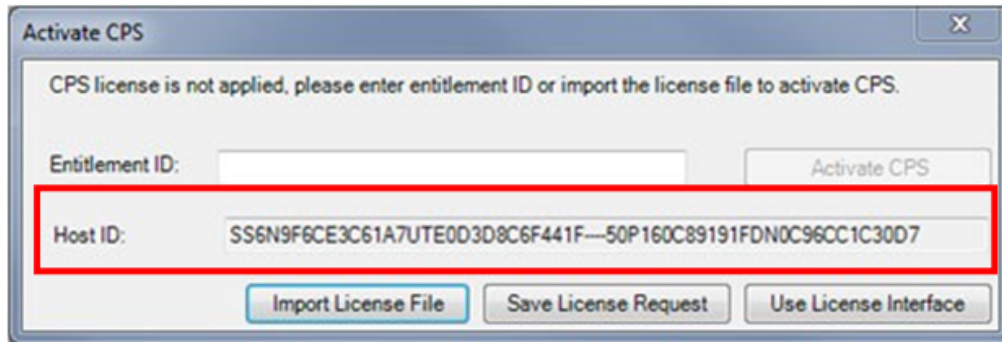
An activation requires usage of Radio License System, protected by user authentication, more information about process may be obtained at Motorola Solutions webpage: <https://motorolasolutions.com/radiolicensingsupport>

Existing CPS users on previous 7.x releases can upgrade their application without the need to order a new license. Customers on pre-7.0 releases must purchase a new license for CPS.

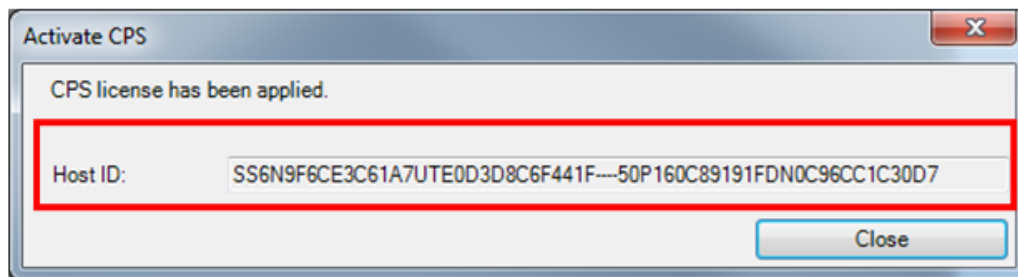
IMPORTANT NOTE:

When activating your CPS installation please take note of the Host ID. Store that number in a safe place so you can access it in a case of PC failure. In such cases a CPS license can be transferred to another machine only if the Host ID of the original PC is provided.

For details on how to request license transfer, go to Annex B.



Pre-activation screen



Post activation screen

2.3 Sales Model

Every single installation of the CPS needs to be activated. This is to increase the security and to stop unauthorized users from being able to program radio terminals that can potentially compromise the security of radio networks.

There are different ways to order and receive CPS. These all revolve around a unique Entitlement ID (EID) that is sent via email once an order is placed for CPS license. Only one EID will be sent per email.

The new part number for a CPS license is as below

Part Number	Description
HKVN4740A	CPS System License

All licenses added to a single order line will be delivered on a single Entitlement ID (EID). If separate EIDs are required, then the part numbers must be placed on separate order lines but can be processed on a single order.

The different ways to order and receive CPS are:

1. Order all CPS licenses on the same Entitlement ID (useful if all the licenses are going to the same organization) – add required quantity for order line with HKVN4740A
2. Order CPS licenses over a number of Entitlement IDs (useful if the licenses are going to different organizations) – place each CPS license HKVN4740A on a separate order line.

Each Entitlement ID is delivered in a separate email.

Copies of the CPS SW DVD are orderable under below part number

Part Number	Description
GMYN5145A	CPS SOFTWARE DVD R8.2

2.4 Features Implementation

Any new features and enhancements are captured in the User Guides and Manuals. Those documents are available on the Learning eXperience Portal <http://learning.motorolasolutions.com/> and can be found by searching the below documents numbers

- 6802974C10 Customer Programming Software (CPS) Plus User Guide
- DMT0086.001 TETRA MR2024.1 New Features Training

2.5 Customer Impacting Statements (CISs)

Resolved and closed defects (C3, FRB)

C3	Headline
INC0000321441	TETRA CPS allows to set a password consisting of cyrillic characters, but does not accept it later
INC000008187640	CPS Plus 8.1 Cache Folders problem: DawnCache and GPUCache
INC000006838755	Usage of 3DES in TETRA codeplugs

2.6 Release Version Information (Release Name)

Software	Version
CPSPPlus 8.2	R8.2.64

3. Accessories

There are no new accessories introduced with this release of CPS.

4. Annex A – CPS R8.2 System Requirements

4.1 Computer Hardware

Minimum hardware configurations:

- Processor faster than 2GHz dual core processor
- Two USB 2.0/3.0 ports
- 2GB RAM
- 20GB of free hard disk space
- Display resolution of minimum 1024x768

Note: RAM requirements may be higher in relation to the number of devices connected to the CPS. Please refer to the user guide.

4.2 Computer Operating System

The CPS Plus supports the following operating system:

- Windows 10 64-bit
- Windows 11 64-bit

5. Annex B – Requesting License Transfer to a Different PC

In cases when a customer needs to replace an existing CPS PC with a new one due to the HW failure or a replacement schedule it is possible to request license transfer. To do that you have to perform the following steps:

1. Install the CPS SW on a new PC.
2. Copy the Host ID number from the Activate CPS screen.
3. Contact the ESSC at techsupport.emea@motorolasolutions.com with the description of your problem, a Host ID of the original PC and the Host ID of the new PC, clearly indicating which one is which.

ESSC will be able to re-host your existing CPS license to the new PC.

6. Annex C – Release compatibility with radio firmware.

Please note all previous releases starting with MR5.13 are also supported.

Radio Releases	CPS Releases
MR2020.1	CPS Plus 7.6, CPS Plus 7.7, CPS Plus 7.8, CPS Plus 7.9, CPS Plus 8.0, CPS Plus 8.1, CPS Plus 8.2
MR2020.2	CPS Plus 7.6, CPS Plus 7.7, CPS Plus 7.8, CPS Plus 7.9, CPS Plus 8.0, CPS Plus 8.1, CPS Plus 8.2
MR2020.3	CPS Plus 7.6, CPS Plus 7.7, CPS Plus 7.8, CPS Plus 7.9, CPS Plus 8.0, CPS Plus 8.1, CPS Plus 8.2
MR2021.1	CPS Plus 7.6, CPS Plus 7.7, CPS Plus 7.8, CPS Plus 7.9, CPS Plus 8.0, CPS Plus 8.1, CPS Plus 8.2
MR2021.2	CPS Plus 7.7, CPS Plus 7.8, CPS Plus 7.9, CPS Plus 8.0, CPS Plus 8.1, CPS Plus 8.2
MR2021.3	CPS Plus 7.8, CPS Plus 7.9, CPS Plus 8.0, CPS Plus 8.1, CPS Plus 8.2
MR2022.2	CPS Plus 7.8, CPS Plus 7.9, CPS Plus 8.0, CPS Plus 8.1, CPS Plus 8.2
MR2022.3	CPS Plus 7.9, CPS Plus 8.0, CPS Plus 8.1, CPS Plus 8.2
MR2022.4	CPS Plus 8.0, CPS Plus 8.1, CPS Plus 8.2
MR2023.1	CPS Plus 8.0, CPS Plus 8.1, CPS Plus 8.2
MR19.9	CPS Plus 8.0, CPS Plus 8.1, CPS Plus 8.2
MR2023.2	CPS Plus 8.1, CPS Plus 8.2
MR2023.3	CPS Plus 8.1, CPS Plus 8.2
MR2024.1	CPS Plus 8.2