

# 1 MATRIX FAMILY – DL.CODE 1.11.15 RELEASE NOTES

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## 1.1 INTRODUCTION

This document describes the new **Maintenance release DL.CODE 1.11.15** and packages **1.8.7** for all **Matrix Family**.

- *Description & Models Supported*
- *New Features & Improvements*
- *Changes and Fixes*
- *Tools & Documentation*
- *Release History*

## 1.2 DESCRIPTION & MODELS SUPPORTED

This software distribution includes:

- **DL.CODE™ User Interface release 1.11.15.23**
- The following packages for a firmware upgrade:
  - **Matrix 220X release 1.12.5.16**
  - **Matrix 320/STS320 Matrix 220 release 1.11.14.206**
  - **Firmware packages release 1.8.7.44** for all other models;  
**Matrix 120/210N/300N/410N/XRF410N/M450N**

**Previous DL.CODE versions compatibility:** The DL.CODE 1.11.15 UI is fully backward compatible with devices running DL.CODE 1.0, 1.1, 1.2, 1.3, 1.4.x, 1.5.x, 1.6.x, 1.7.x, 1.8.x, 1.9.x, 1.11.x and their configurations. It is not strictly necessary to upgrade devices FW version. It is needed only if the improvements of this release are needed for the specific device.

**Version compatibility within synchro cluster:** It is always better to have a synchro cluster with DL.CODE devices running the same SW version. Moreover a unit running DL.CODE 1.5.x or 1.4.x cannot be connected as a slave in a cluster where the master version is lower than DL.CODE 1.2.0 Beta3.

## 1.3 NEW FEATURES & IMPROVEMENTS

### **DL.CODE™ 1.11.15.23 User Interface**

- Improved usability
- New discovery sort/filter panel with Family, SN, Name and IP
- Various updates and fixes documentation.

### **Firmware 1.8.7.44**

- Phase duration has been limited to 30 minutes
- Host Mode Programming “HELP” command added.
- BC412 Symbology removed from auto learn/auto-setup
- Added Datalogic 2of5 symbology support

### **Firmware 1.11.14.206**

- Same as Firmware 1.8.7.44
- Improved OPC-UA (image transfer on demand, improved statistics)
- Support for M220X, including backup compliance with M220 (configuration only)
- TOF sensor parameters accessible via Host Mode Programming and Script
- Script formatter can control the beeper.

### **Firmware 1.12.5.16 (only for Matrix220X)**

- Matrix 220X: removed possible problems of reader freeze and other issues of communication.

## 1.4 CHANGES AND FIXES

- Reader crash using ProfinetIO and Match Code analysis
- Code overrun statistics reported fake events
- M120-210 can crash replacing Datamatrix code tool with a CODE128, or simply adding a CODE128.
- Wrong Multiple Read event on cluster configuration and UPCE codes
- DAD resync function embedded works in the same way as the HMS modules and as described in the DAD-DPD Driver (PDF) manual.
- Introduced a “Visiset compatibility mode” for image transfers
- Aligned the diagnostics of the Matrix 320 to the Matrix 220 by adding High / Low Temperature (124/197) Exc. Bumps (310).
- M220/M220X Excessive Bumps Warning automatically disappear after 10 seconds from the last shock

## Tools & Documentation

Matrix New Family software tools, support files and documentation (User Manuals, Configuration Guides, Technical Notes and many other things) are available for download at the address

- <http://www.datalogic.com>  
(Support&Services > Downloads)

## Releases History

### **DL.CODE 1.11.14**

Deprecated version for Readers Matrix 220X.

### **DL.CODE 1.11.13**

Deprecated version for Readers Linux Based M220\220X\320.

### **DL.CODE 1.11.4**

General maintenance.

### **DL.CODE 1.11.3**

General maintenance. Support for Matrix EBC connection module.

### **DL.CODE 1.11.0**

Support for Matrix 320 5 MP c-mount lens models.

### **DL.CODE 1.9.3**

General maintenance. Support for Matrix 320 2 MP 6mm liquid lens models.

### **DL.CODE 1.9.2**

General maintenance. Support for Matrix 320 2MP C-mount lens models.

### **DL.CODE 1.9.1**

Package for Matrix 320, STS320.

### **DL.CODE 1.9.0**

First Package Release for Matrix 320 only (no STS320).