

# OPN-2001 CMT firmware upload and configuration

## CMT firmware upload and configuration for use with CMT-6 and CMT-30

With this manual we aim to assist you with the basics to be able to install the software independently.



*This software is created and maintained by Opticon.*

### OPN-2001 CMT FIRMWARE

The specific OPN-2001 CMT firmware has added USB HID functionality for optimal CMT-6 and CMT-30 docking station support.

Introducing a new device option setting 'Indicate on (low) memory' which can now be set to 'Not empty'.

Doing so will result in the charging LED indicator to keep on blinking (RED or GREEN, depending on the charge status) until all data has been read from memory. This way, if you have a CMT-6 or CMT-30 in full operation it is easy to see if an OPN's data has already been read.



*This procedure assumes that Appload, the USB drivers and the OPN-200X multicradle Download Software have been previously installed.*

If not already done so as described in the document 'Appload installation' please download the following file from our (or from the Opticon) website now:

1) RBBV0203.zip (containing RBBV0203.hex, firmware for Opticon OPN-2001).

Unpack the ZIP-file to an easy accessible location, i.e. your Desktop.

### OPN-2001 CMT firmware upload

Step 1) Connect your OPN-2001 to the PC (connect only one OPN at a time!)



*If this is the first OPN-2001 connected to this PC ever, after installing the USB drivers a popup of 'New hardware found' is visible. Windows will now find the (already installed) drivers and make the hardware available to the system. This can take a while, but only does so the first time only!*

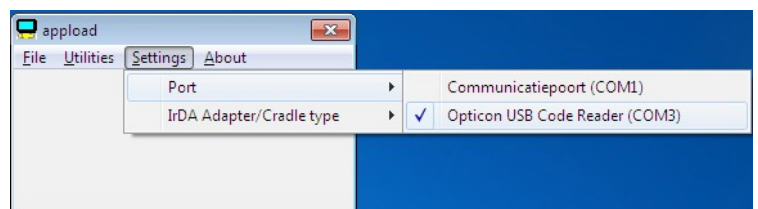
*Please be patient during this process and don't disconnect your OPN.*

### Step 2) Start Appload

Start Appload and go to 'Settings', 'Port' and select 'Opticon USB Code Reader (COMx)'.



*In this sample the reader is on COM3, on your system this may vary.*

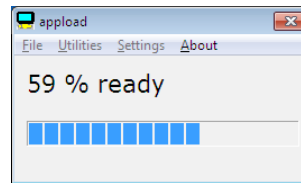


## Step 3) Selecting the firmware for download

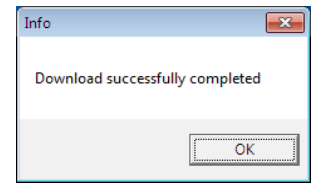
Go to 'File', 'Download' and select the RBBV0203.hex file (from the previously unpack location) and click 'Open'.

## Step 4) Downloading & finish

The download will start automatically. Upon finish you will receive the 'Download successfully completed' message.



*downloading firmware*



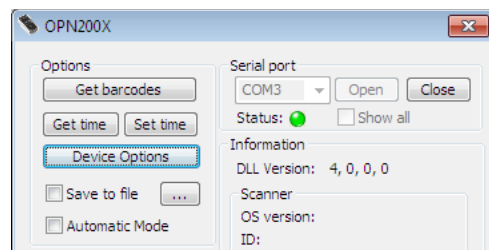
*download complete*

## Step 5) Repeat steps if necessary

If you have more OPN-2001's that need to upgrade their firmware do so now. Connect each OPN and select 'File', 'Download again' (or faster: Press CTRL+A).

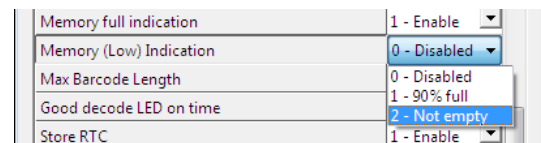
## Step 6) Open the OPN200X multicradle software

Connect your OPN and select the same COM port used in the previous steps. Click 'Open' and then 'Device Options'.



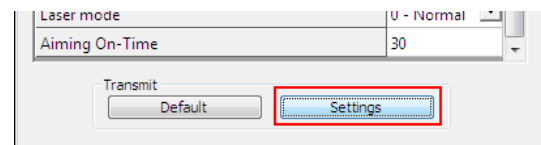
## Step 7) Set device setting

Scroll down to the 'Memory (Low) Indication' and change it's default option from 'Disabled' to 'Not empty'.



## Step 8) Send configuration back to OPN

Send the configuration setting back to the OPN by pressing the 'Settings' button.

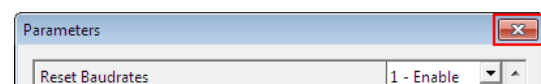


## Step 9) Repeat steps if necessary

If you have more OPN-2001's that need to change their default device setting do so now. Simply connect each OPN and press 'Settings' again.

## Step 10) Finished!

When ready close this screen by pressing the 'X' (exit) button in the top-right corner.



You are now ready to use the OPN's with the 'OPN-200X multicradle Download Software'.

For more information please refer to our website <http://www.dokki.eu> or go to <http://www.opticon.com>.