



## 1. Purpose

When upgrading WISMO2x8 to L20, some units may fail to register to networks.

This document provides the guidelines to recover the faulty modules.

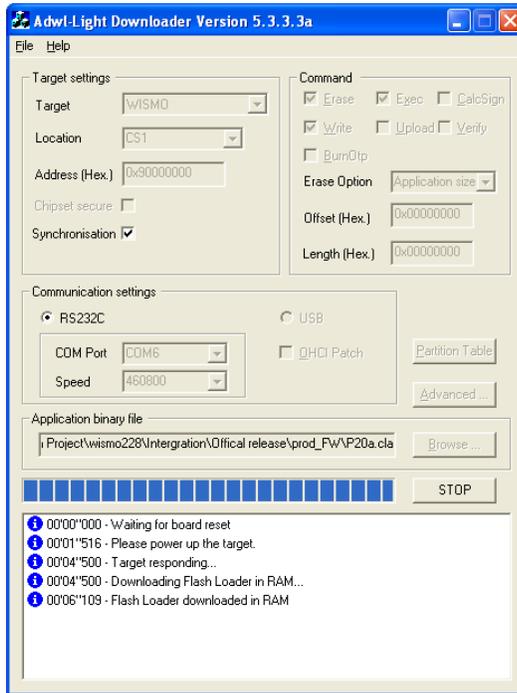
## 2. Issue description / Symptoms

The module is not able to register to networks even if PIN code has been successfully entered and signal quality is OK.

- WISMO is not able to register to network
  - AT+CREG? Always return +CREG: 0,0
- SIM access AT Command or AT Command requiring initialized SIM return ERROR
  - AT+CSCA? -> +CMS ERROR: 500
  - AT+CPBR=? -> +CME ERROR: 100
  - AT+CPOL? -> +CME ERROR: 100
  - AT+CMGL -> +CMS ERROR: 500
  - AT+CMGR=1 -> +CMS ERROR: 500

## 3. Solution

1. Download P20a by ADWL.
2. After P20a download, power cycle the WISMO
3. Download the L20 firmware.
4. Power cycle the WISMO after able to input AT-Command



## 4. Comments

- The symptoms will appear immediately after the upgrade to L20.
- NOT all the units are exposing this issue after the L20 upgrade
- Units that DO register to the network after the L20 upgrade will NOT show this problem at a later stage and are OK for operation.
- The P20a.WISMO 300610.cla applies to both WISMO218 and WISMO228.
  
- Firmware upgrade implemented in customer's application through their  $\mu$ C may also face this issue when upgrading WISMO to L20.

**It is therefore highly recommended that customers implement WISMO upgrade in their  $\mu$ C starting L20 onwards, and not on former releases.**