Adwl-Light Downloader
User Guide

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Document Information

Level	Date	History of the evolution	Writer
001	02/03/2009	Creation [WA_DEV_L38_UGD_013]	VTA
002	03/03/2009	Define baud speed [WA_DEV_L38_UGD_013]	VTA
001	28/04/2009	Rename as Wismo for WISMO Family	VTA

	Name	Function	Date	Signature
Written by	VTA	Industrialization Test Engineer	28/04/2009	
Checked by	DLK	Industrialization Test Engineer		
Approved by	CYI	Project Manager		

Contents

1. INTRODUCTION

The aim of this document is to provide the guidance on using the "Adwl-Light" Downloader tools for firmware download of WISMO Family product.

## 2. Equipment Preparation

2.1. Hardware

- 1 x Power Supply Agilent E3631A or equivalent
- 1 x WMP100 Development Kit 2.1 (WM0502301-012-20)
- 1 x WISMO Family Module
- 1 x WISMO Socket Up (TBD for every WISMO product)
- 1 x Power cable for WMP100 Development Kit
- 1 x PC RS232 COM cable
- 1 x PC computer

2.2. Software

- Adwl-Light Downloader 5.3.3.3a
- Loader file - Numonyx_32_Binary.hex
- Application file provided by Wavecom

3. Installation

3.1. Hardware Setup

WISMO module should be plugged onto the **socket-up** board, which is connected to **WMP100 development kit**.

3.2. Setting on WMP100 Development Kit

ON/~OFF switch must be set to "OFF" position; otherwise, the power supply will be shorted to GND.

Power Supply : +ve (3.8V) to "VBATT", –ve to "GND"

XMODEM switch, must be "OFF"

UART1 with jumper setting, switch to

Insert SIM card here

Location for plugging in the Socket-up

confidential ©
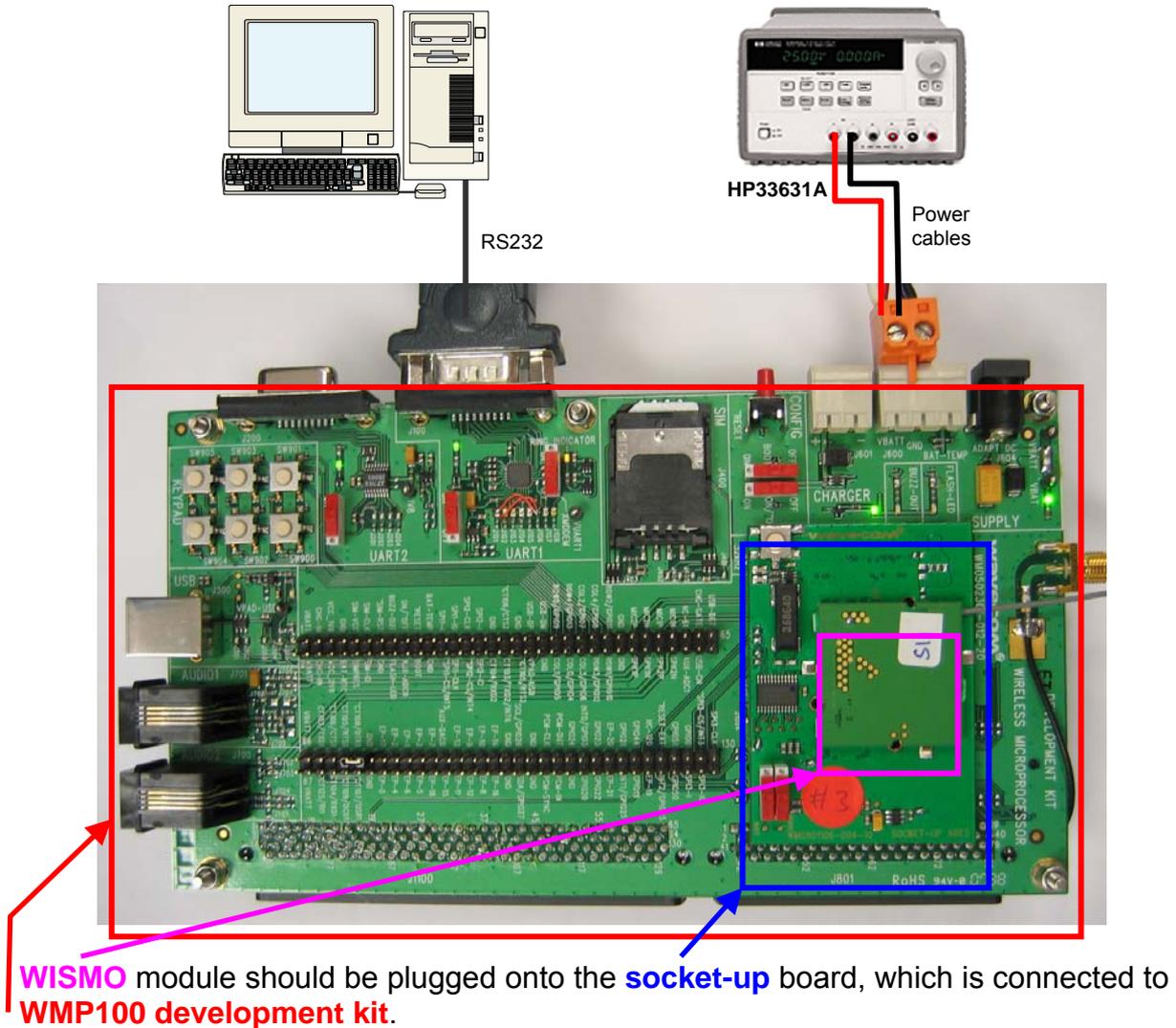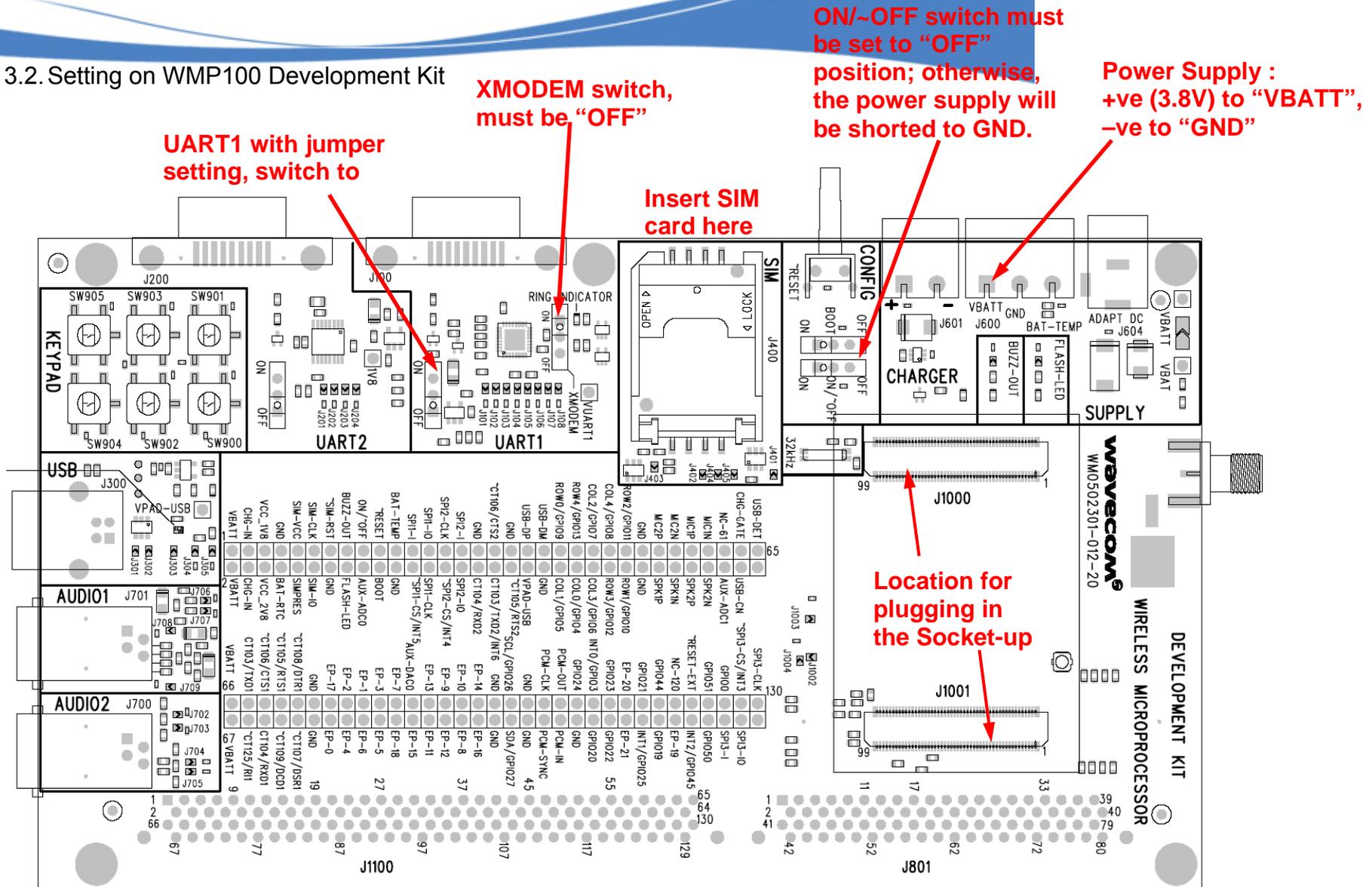
3.2.1. Switch Setting on WMP100 development kit

There are 5 Slide Switch on the WMP100 Dev Kit. They should be correctly set before WISMO module can work properly.

Function	Switch Position	Remark
UART1	ON	
XMODEM	OFF	
ON/~OFF	OFF	CAUTION: If set to ON, the power supply will be shorted to GND
BOOT	Don't Care	WMP100 Dev Kit BOOT signal is not connected to WISMO module, as there is no BOOT on the module system connector

3.3. Socket-up Setting

This pin is connected to GND

Module should be connected to CMU200 with RF cable in TriangleScrew calibration

BP101 is used for powering up module by press and hold for a few seconds

This pin should be opened

Matting Connector where module is plugged
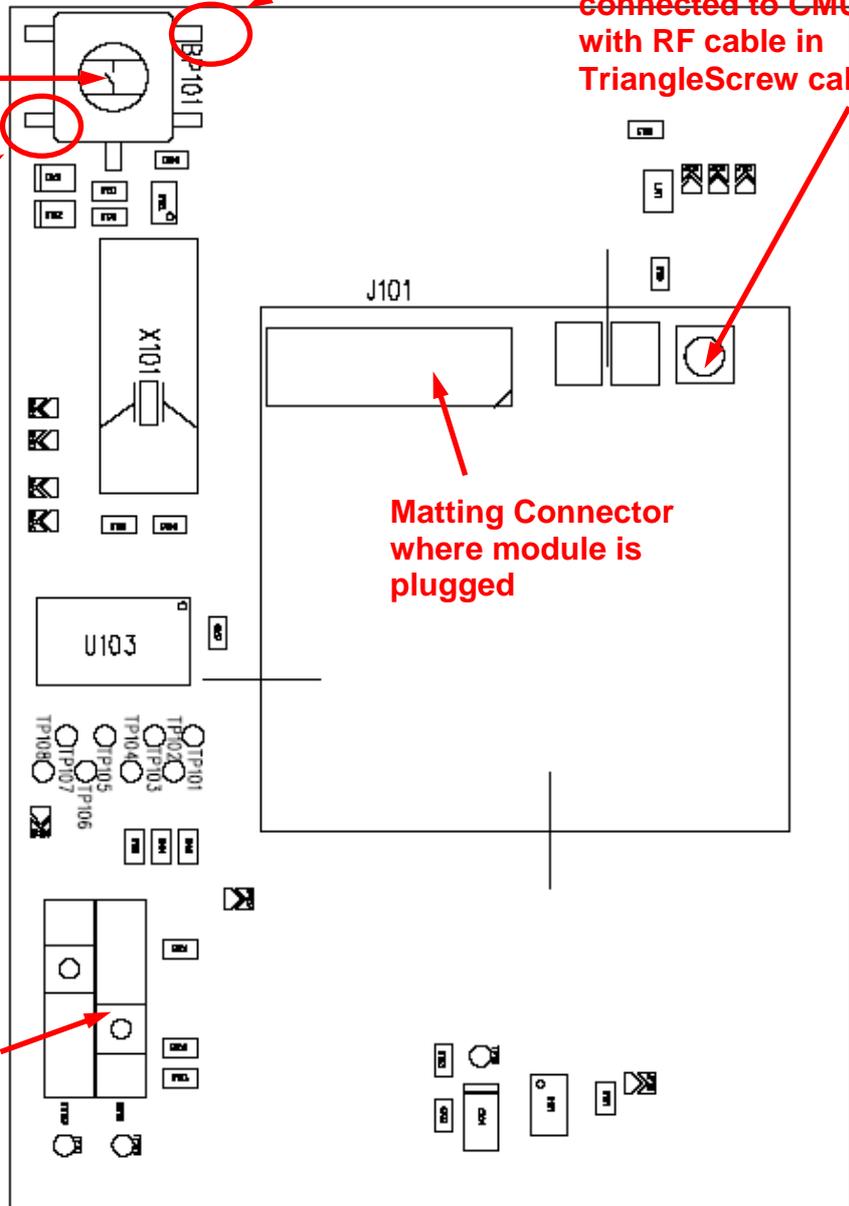
SW101 and SW103 are reserved for internal use only

J101

X101

U103

TP101 TP102 TP103 TP104 TP105 TP106 TP107 TP108

4. Adwl-Light Downloader Setting

Start the Adwl-Light Downloader 5.3.3.3a, the setting are in default as following:

- Target: WISMO
- Location: CS1
- Synchronisation: √
- Erase: √
- Exec: √
- Write: √
- Erase Option: Application size
- Jump Delay (ms): 0

User is only allowed to set below hardware configuration and application file location.

- COM port: depends on computer setting
- Speed: depends on RS232 (recommended to use 115200)
- Click browse and select the application binary file (*.cla)
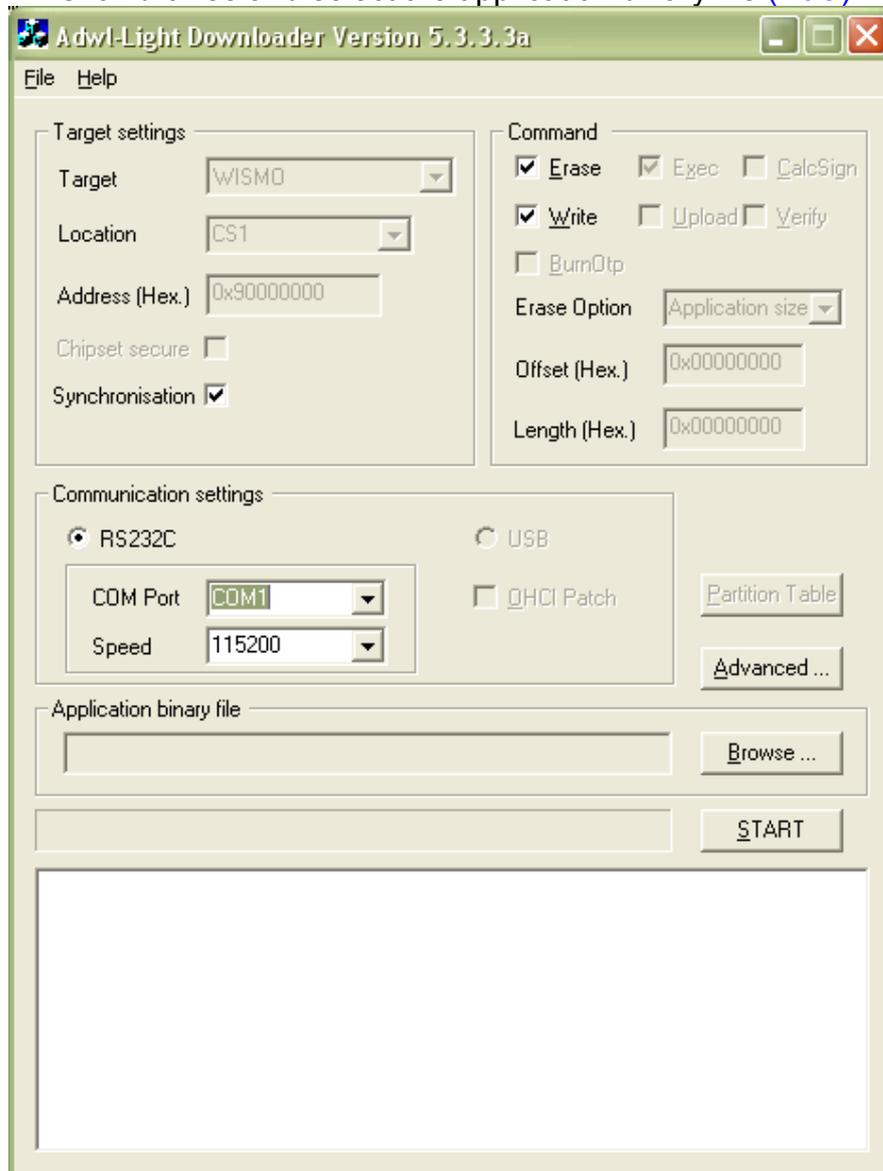
- Click "Advanced" and make the changes as follows:
  - External: UART
  - Click browse and select the loader file: Numonyx_32_Binary.hex
  - Location: User Defined

5. Download Procedures

1. Prepared the installation and software setup as described in previous hardware and software section.
2. Switch on power supply with 3.8V apply to the WMP100 development board.
3. Click START in Adwl-Light downloader, the indication message will shown as following:
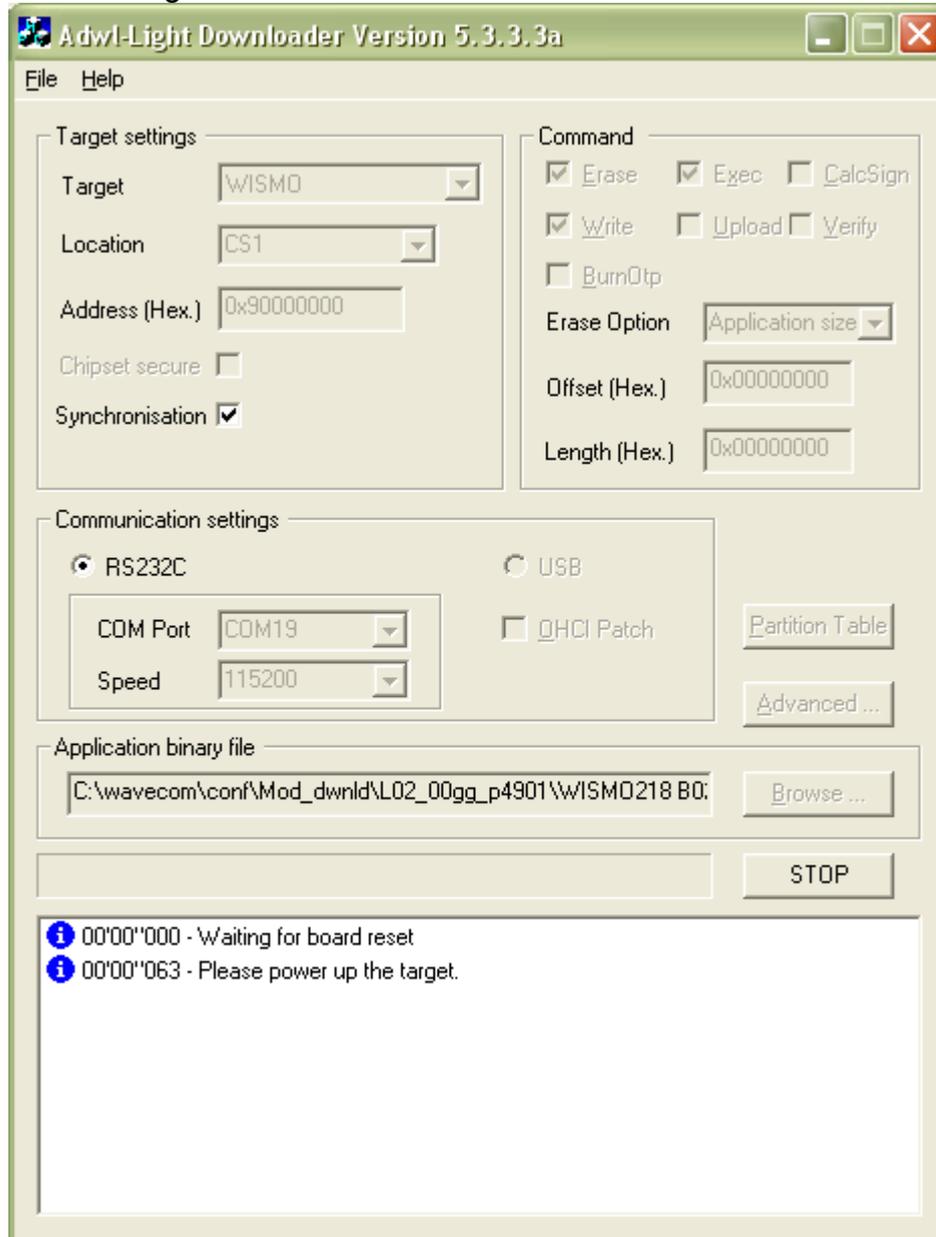
4. Press BP101 on socket-up for around 4 seconds. Firmware download will be started.
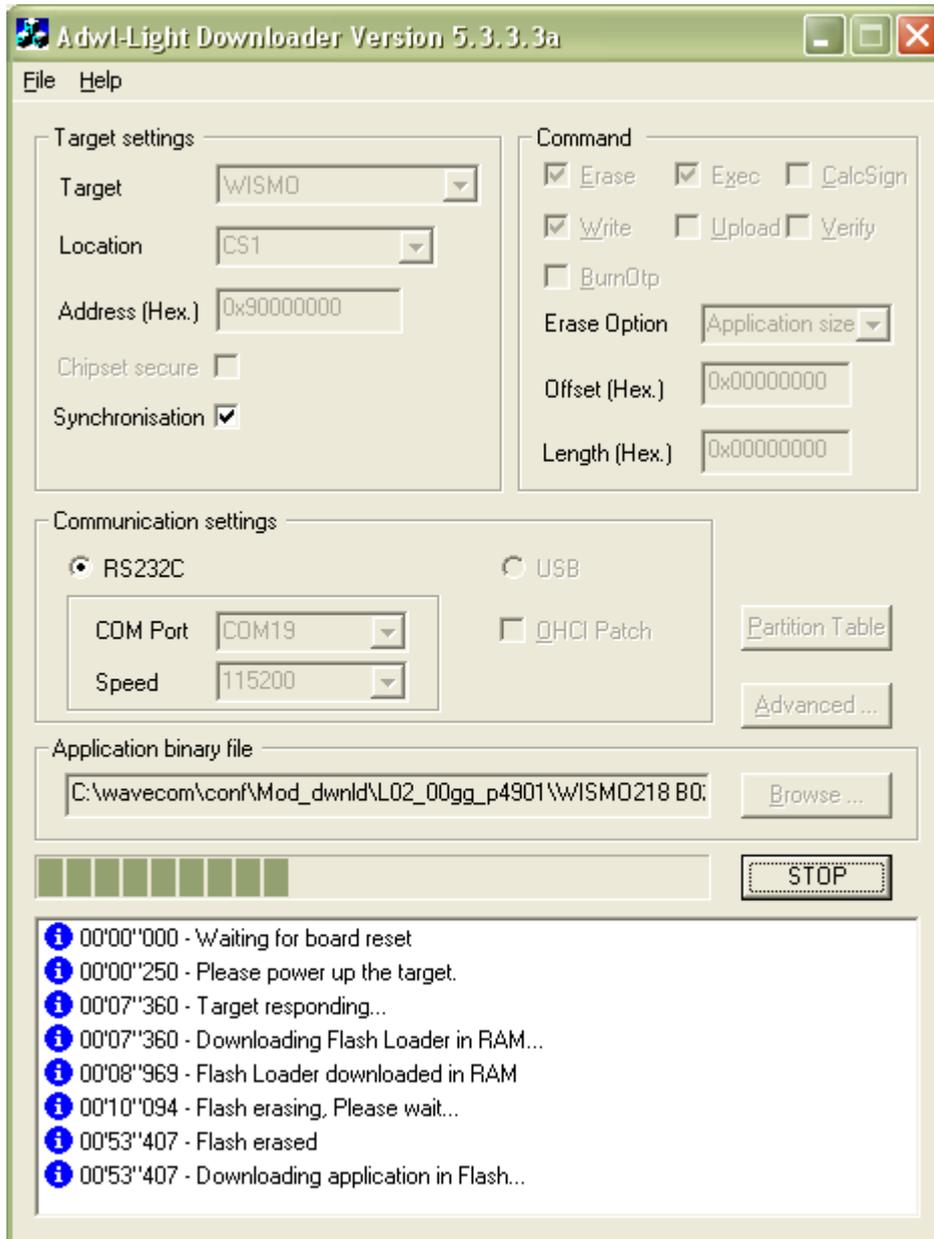
5. Wait until download done.
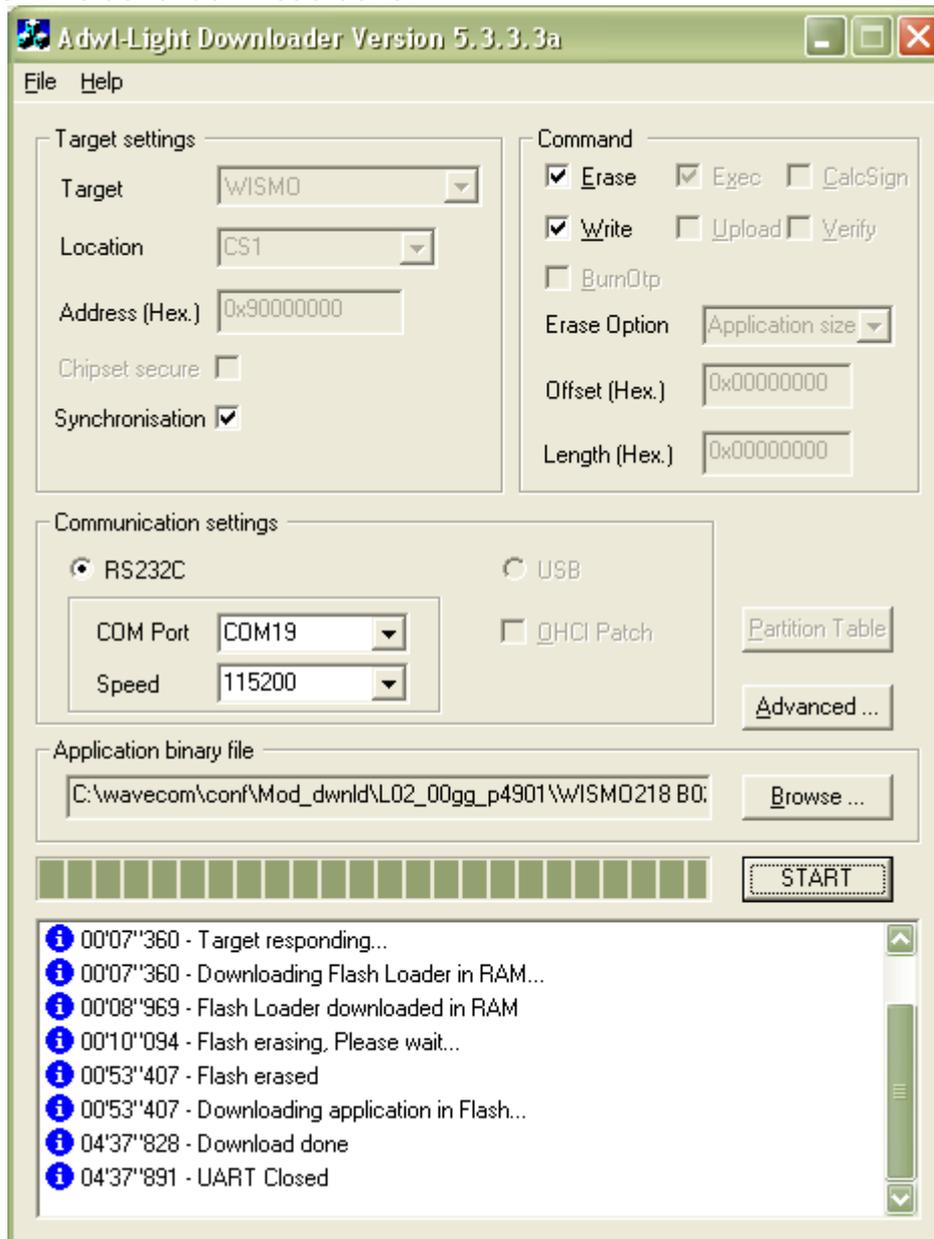
6. Power off the power supply and remove the module from socket-up board.
7. Application file download completed.