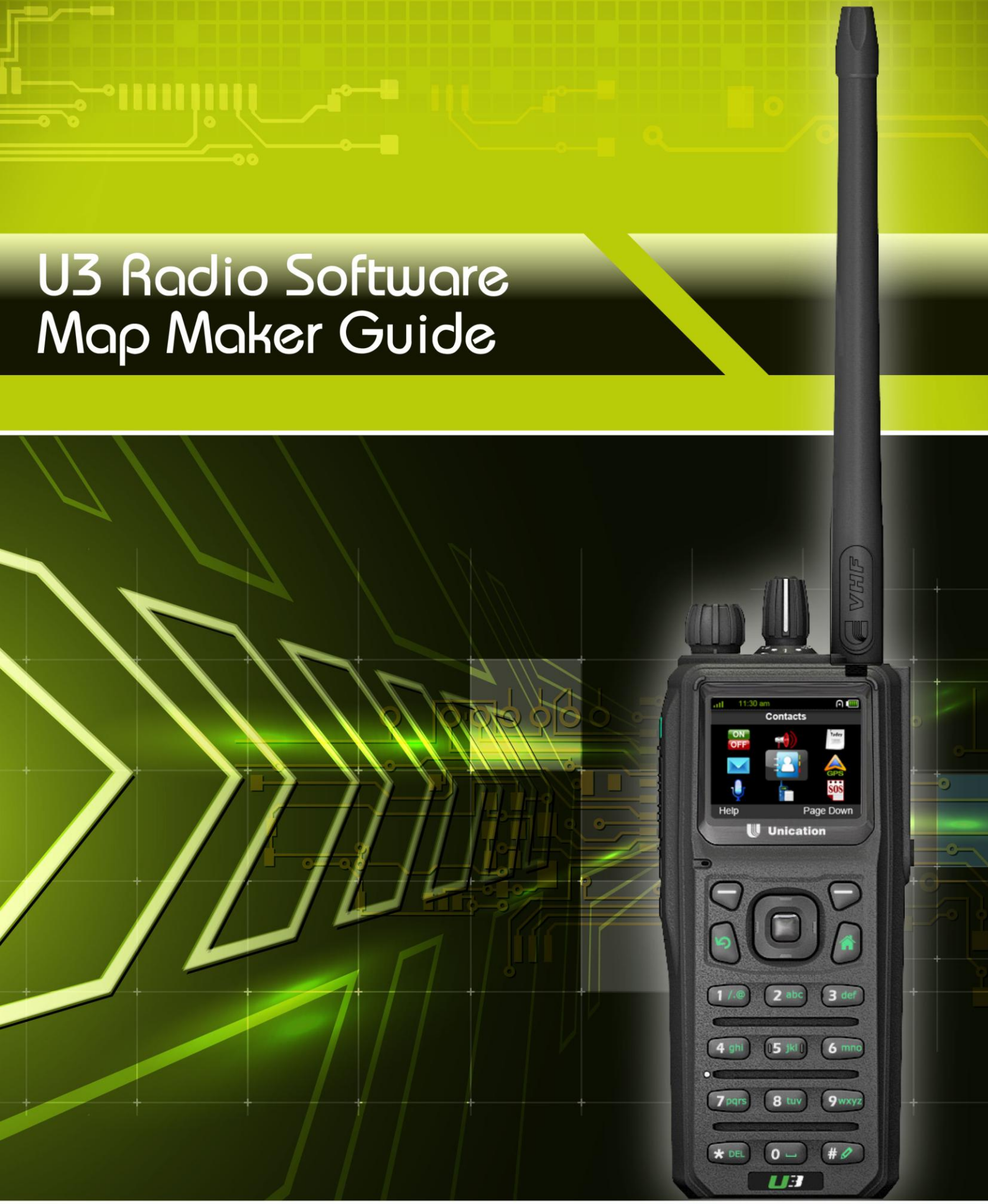
U3 Radio Software Map Maker Guide



Unication

Operational Guide

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Contents

1. Map Maker Software Overview 4

1.1 Features 4

1.2 Remarks 4

1.3 Supported Devices 4

2. Installing U3 Map Maker 5

2.1 System Requirements 5

2.2 Map Maker Installation 5

3. Map Maker Introduction 8

3.1 Execute the Map Maker 8

3.2 Introduction of the Interface 8

4. Make map from Google™ 9

4.1 Find Target Area 9

4.2 Start to Edit the Map 10

4.3 Mark the Range on the Map 10

4.4 Input the map Information 12

4.5 Show the Grid Data 13

4.6 View the Completed map 14

4.7 Show Made-up Maps 14

5. Make Map from the Hardcopy 15

5.1 Select the edited map file 15

5.2 Input the map information 15

5.3 Select the Scope of the Map, and the Reference Coordinates....16
5.4 Input the map information....18
5.5 View the map....19
6. Valid Map Box....20
6.1 Introduction of the Interface....20
6.2 Program to Radio....21
6.3 View Valid Map Box....21
6.4 Edit the Map Information....22
6.5 Move to the History Box....22
6.6 Bulk Move to the history Box....22
7. History Map Box....23
7.1 View the map....23
7.2 Edit the map Information....23
7.3 Delete the map....23

1. Map Maker Software Overview

1.1 Features

This Radio Map Maker release supports the following features.

No.	Feature Name	Description	Availability
1	Make map from google™	To make maps for U3 from the Google map.	Available
2	Make map from hardcopy	To make maps for U3 from the image files.	Available
3	Valid map box	To view current use maps in the valid box.	Available
4	History map box	To view maps put in the history box.	Available

1.2 Remarks

(1) Please install U3 PPS before using Map Maker. U3 USB driver is NOT certified by Microsoft and the user is required to conform to install a non-certified driver.

(2) Sometimes, the USB cable has to be reconnected to a PC in order to be detected by the PPS. In this case, please power off the U3 device then power it up again.

If an exception error is encountered, please re-start the application.

1.3 Supported Devices

All Unication P3 & U3 radio series.

2. Installing U3 Map Maker

To Make Maps for your U3 radios, you have to install Mapmaker

2.1 System Requirements

To use this software, the PC hardware and operating system requirements are listed below.

Hardware:

- ✓ CPU clock frequency: 266MHz, 1GHz is recommended.
- ✓ RAM: Minimum 256MB or above, 1GB is recommended.
- ✓ Hard disk space: Minimum 500MB, 1GB is recommended.
- ✓ USB port
- ✓ Network Adapter
- ✓ Mouse and keyboard
- ✓ USB Programming cable for U3.

Operation System:

Windows 2000/XP/Vista/7 32-Bit (latest service pack)

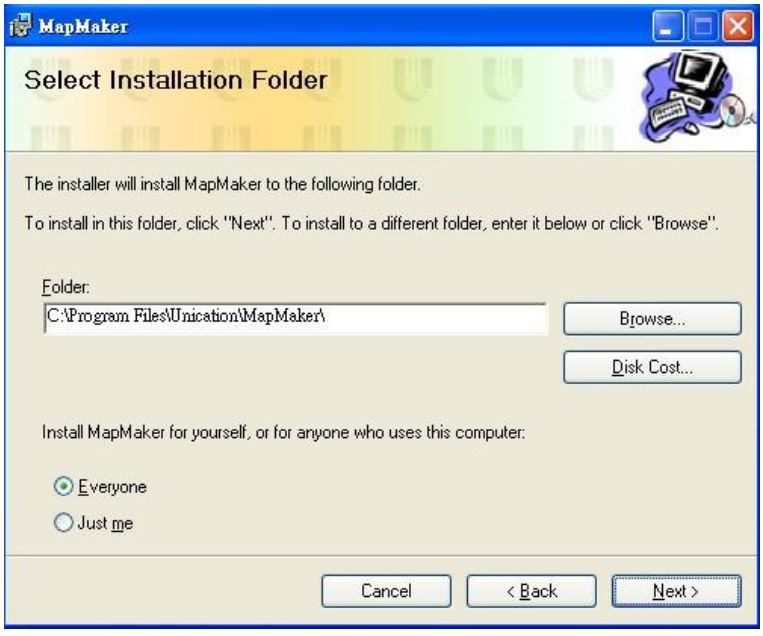
2.2 Map Maker Installation

To install Map Maker, please follow the instructions below.

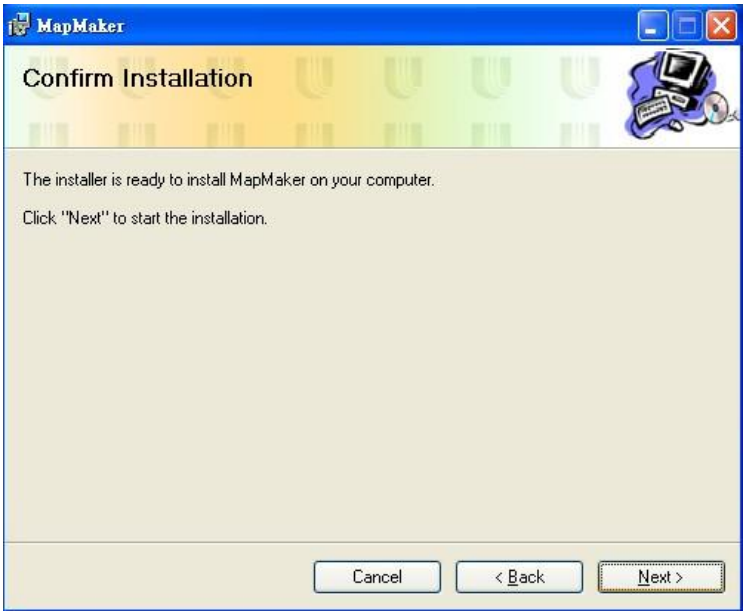
(1) Exit all running programs before starting installation.
(2) Insert installation CDs.
(3) Double-click the “MapMakersetup.exe” contained in the folder named “MapMaker\Software”.
(4) The welcome message appears. Click “Next”.

(5) Click “Next” to install the software to default folder “C:\ Program Files\ Unication\MapMaker\” . Or click “Browse” to select another destination folder.

(6) Select the user of the software, then click [Next].



(7) After having executed the correct setup procedure, please click “Next” to confirm the installation.



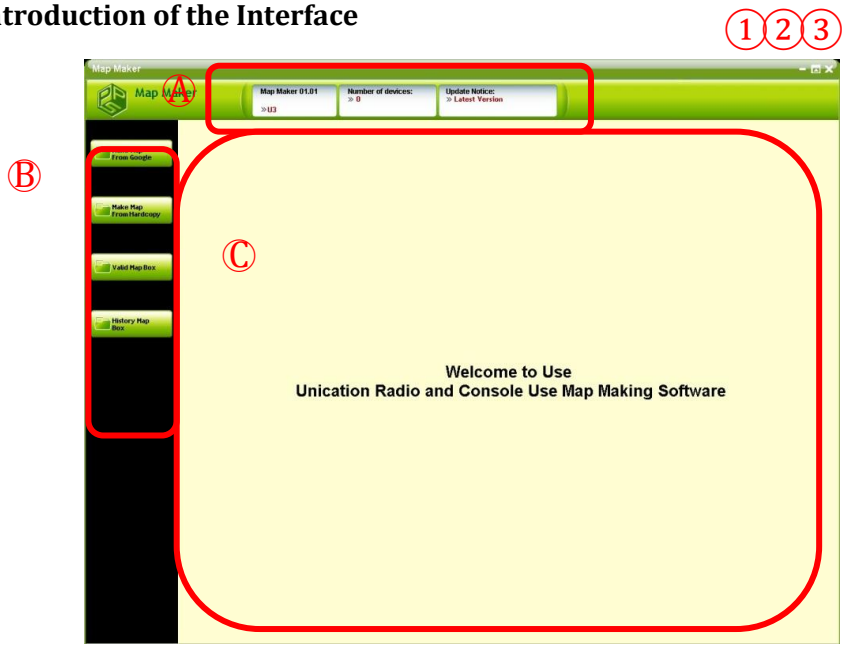
(8) After the installation is completed, the Installation Complete message appears. Click “Close” to finish the process.

3. Map Maker Introduction

3.1 Execute the Map Maker

Map maker would link automatically to the Start Menu, and on the Desktop after the installation, click “Map Maker” to run the software.

3.2 Introduction of the Interface



① To minimize the window to the taskbar.

② To enlarge or restore the default window size.

③ To exit the Map Maker program.

Ⓐ **Status Bar:**

To indicate the status of the PPS including the version, the number of connected device and the notes.

Ⓑ **Menu Bar:**

This column lists down the main feature buttons of the Unication’s radio PPS.

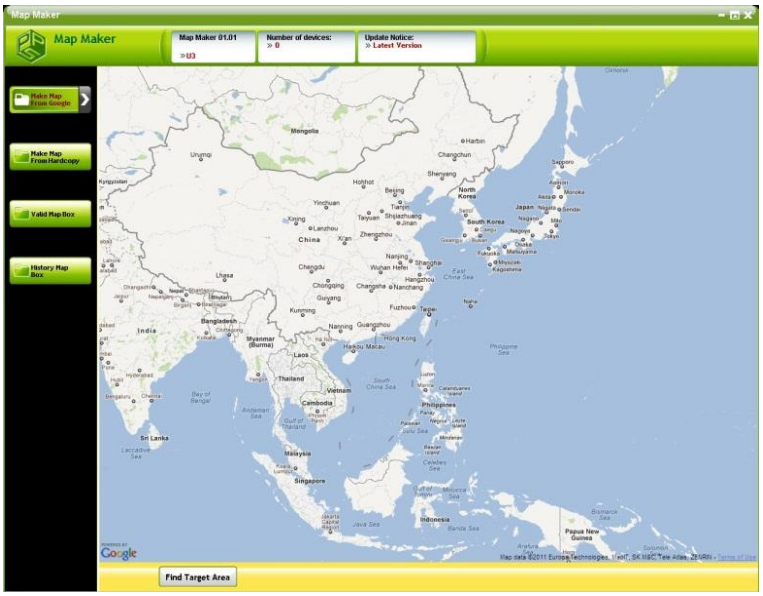
Ⓒ **Desktop:**

The users can change parameters in this area.

4. Make map from Google™

In the Menu Bar, press “Make Map From Google” to edit the map by using Google map (User need to make sure if the network connection is normal, if not, please contact your ISP)

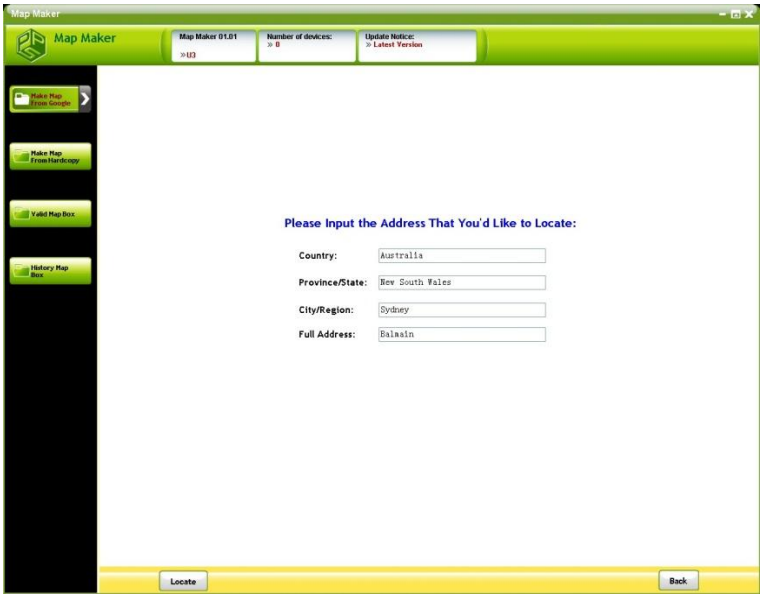
4.1 Find Target Area



The main screen will be the world map.

Press “Find Target Area” to search the location of the map.

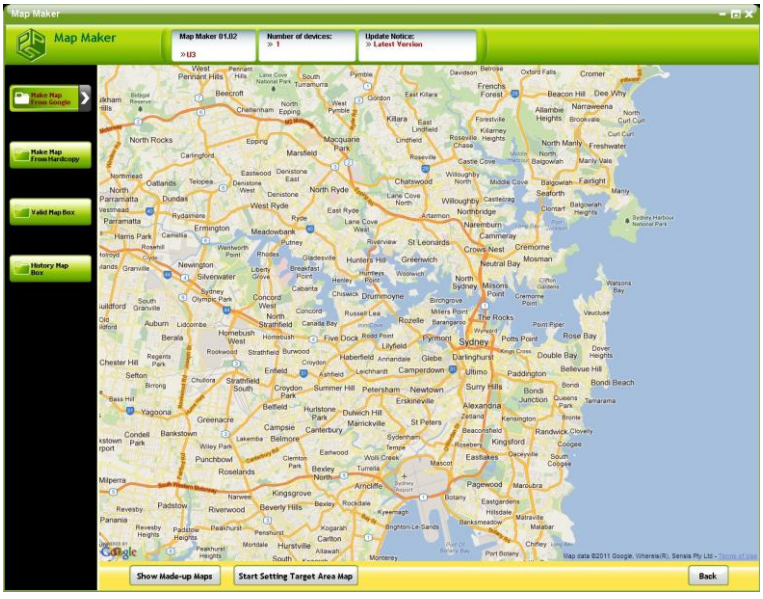
4.2 Start to Edit the Map



Step 1: Input the location information of the map, including national, provincial, city (regional) and the full address.

Step 2: Press "Locate" to the next step.

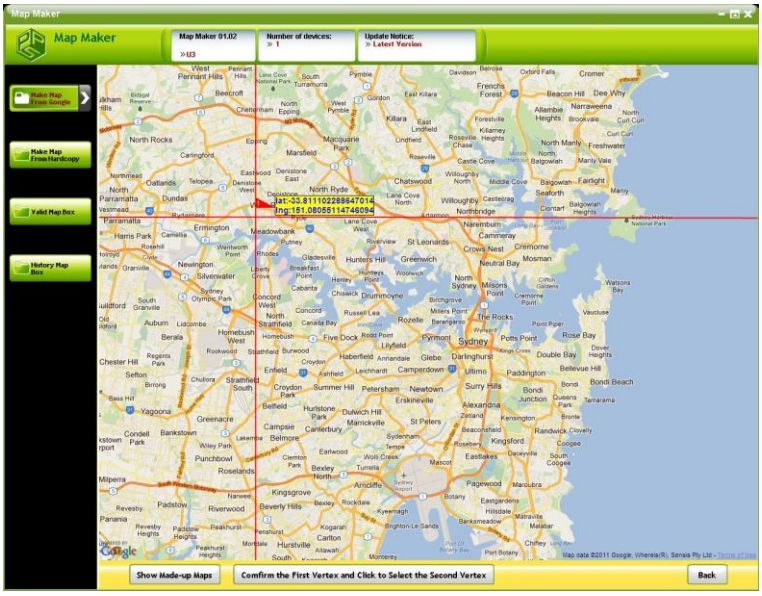
4.3 Mark the Range on the Map



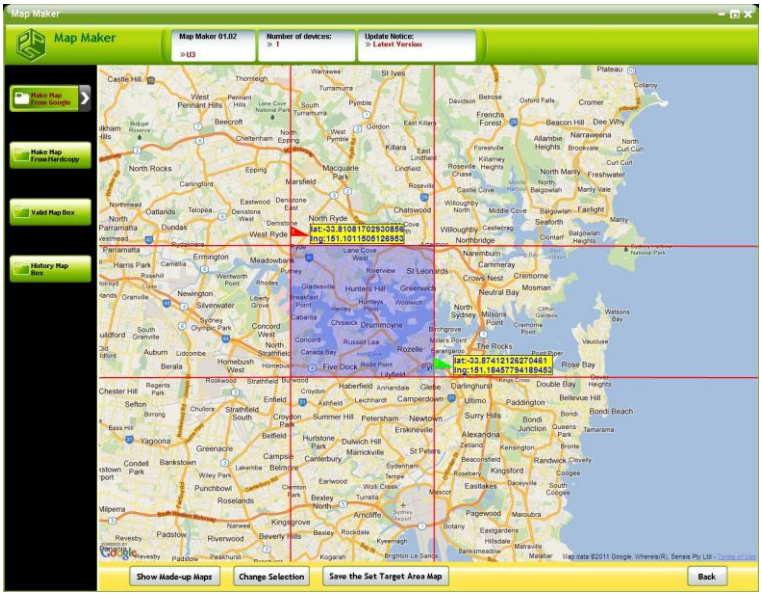
The main screen will be the location map which you have made.

Step 1: Press "Start Setting Target Area Map" in the lower left corner to start the setting.

(The scope of the restrictions on length and width is 10Km x 10km.)



Step 2: Click on the map to set the starting point of the map, click and press “Confirm the First Vertex and Click to Select the Second Vertex” to confirm, and begin to select another point.



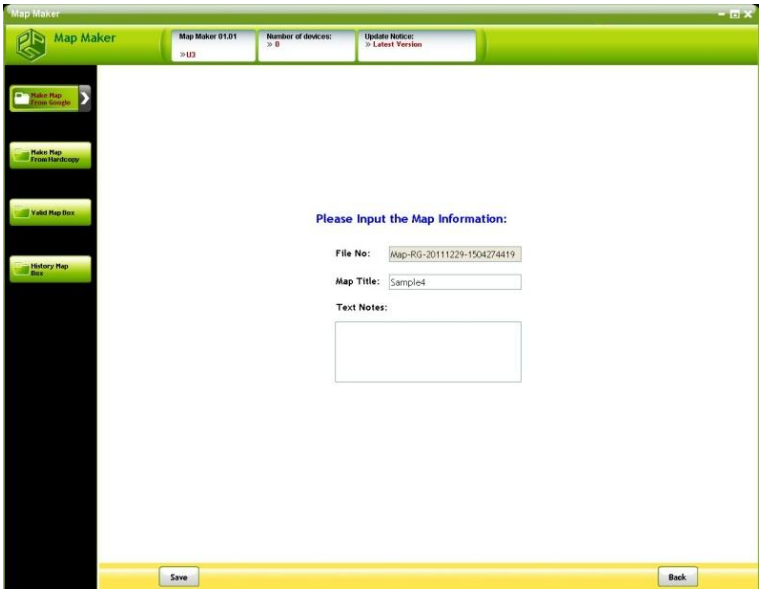
Step 3: Choose and click “Confirm the Second Vertex” to confirm, then click ‘‘Save the Set Target Area Map”to store this range.

If you want to reset the setting, press “Change Selection” or “Back”.

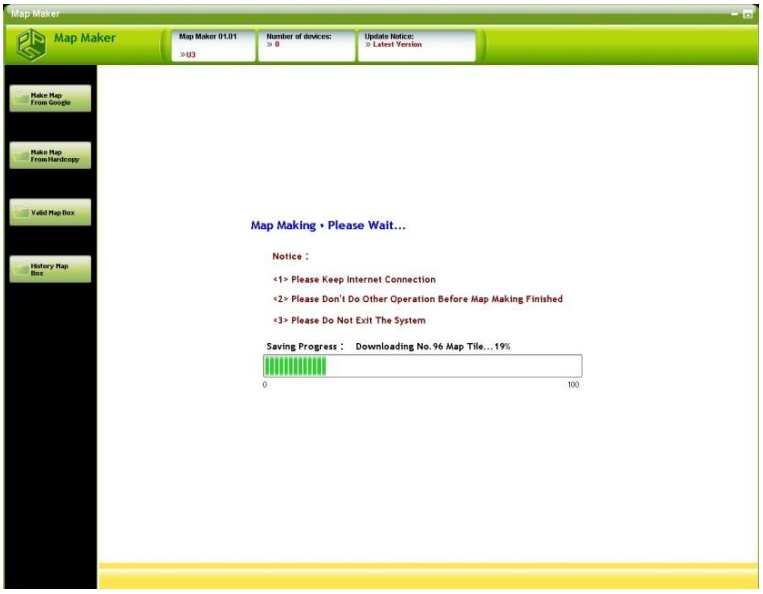
a. **Change Selection**: Drag the flag on the map to change the scope.

b. **Back**: Return to Step 1.

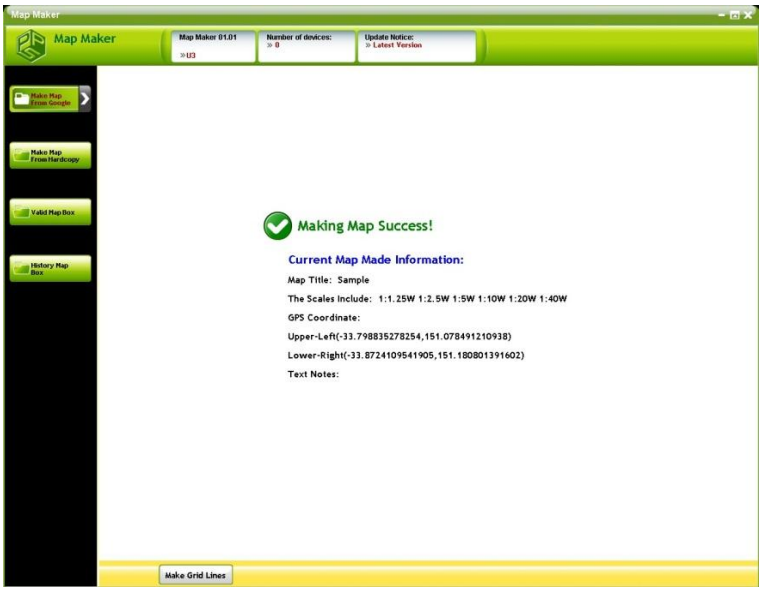
4.4 Input the map Information



Input the map information, including the title and the note (optional), after inputting all the information, click “Save” to begin the map editing.

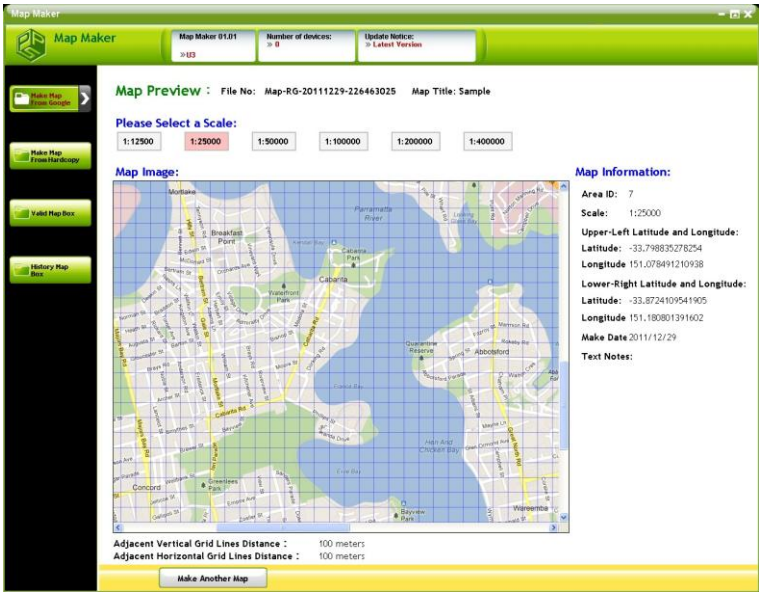


4.5 Show the Grid Data



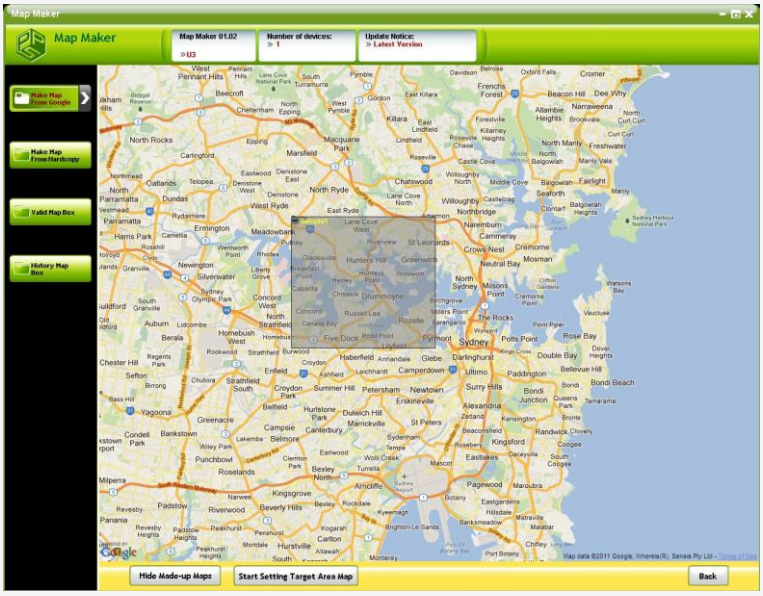
After the map is displayed on the screen, click "Show Grid Data" to show further information about the grid.

4.6 View the Completed map



On this screen you can view the finished map, and you can configure the map size. If you want to edit another map from Google, please click “Make Another Map”.

4.7 Show Made-up Maps

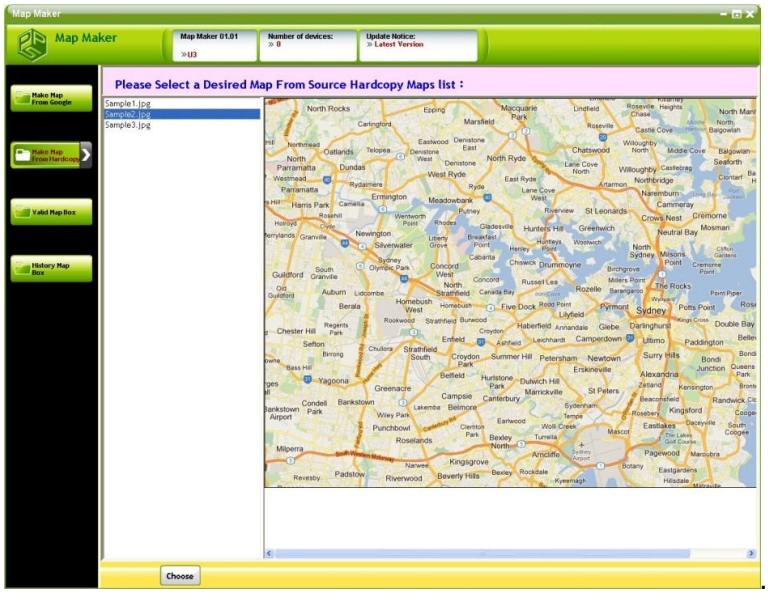


When you want to make another map, you can press “Show Made-up Maps” to show all map data on the screen. Press “Hide Made-up Maps” to hide the maps.

5. Make Map from the Hardcopy

We can use the existing image files to produce the maps. Put the Map under Source Map installation file folder in the index (default path is C:\Program files\Unication\MapMaker\SourceMap) which appears on the left side of the picture.

5.1 Select the edited map file



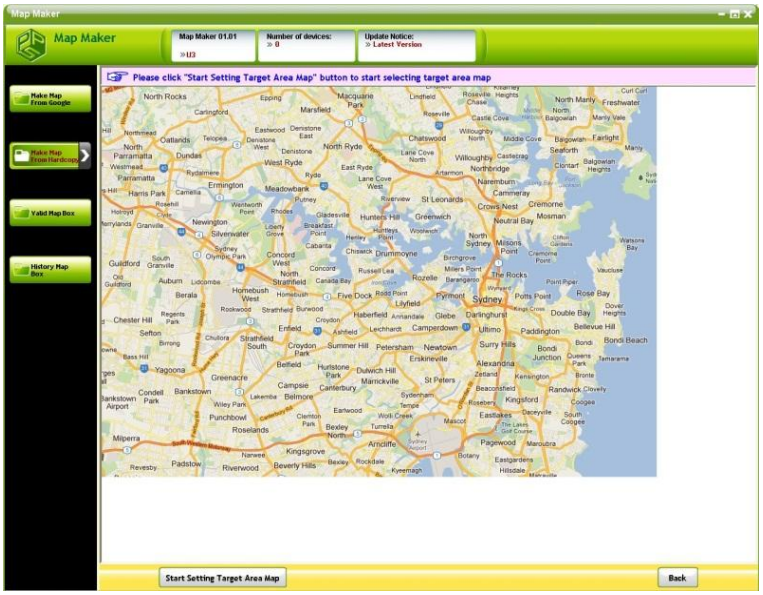
Select the map image file which you want to make.

Press “Choose” to the next step.

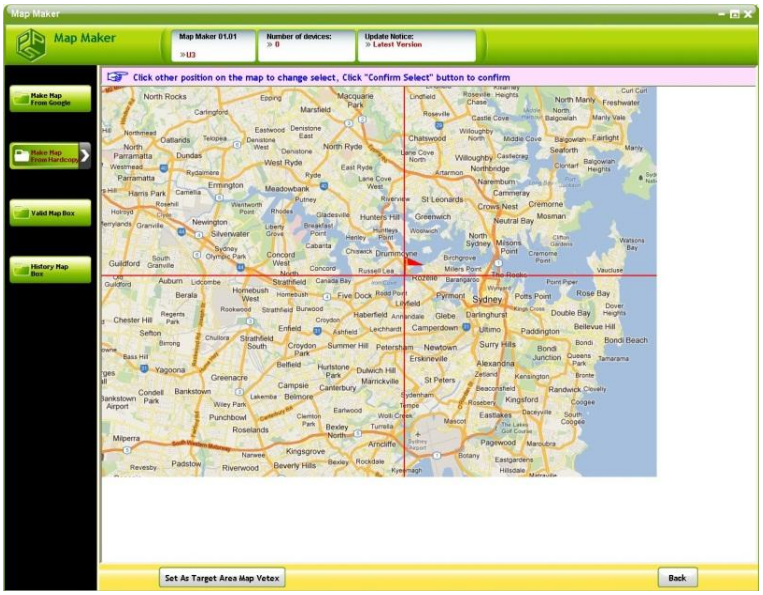
5.2 Input the map information

In this step, you can input the map scale and grid information of the map.

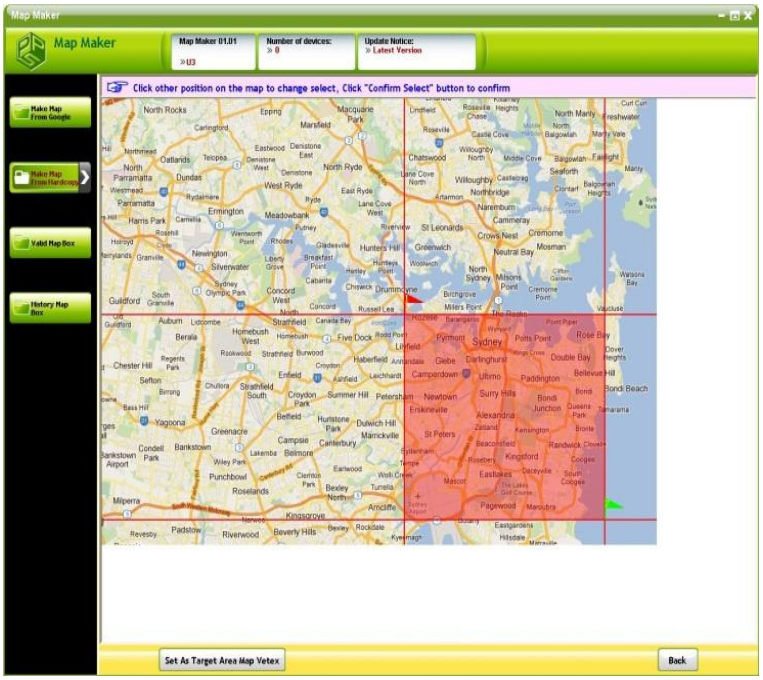
5.3 Select the Scope of the Map, and the Reference Coordinates



Step 1: The selected map will appear, press “Start Setting Target Area Map” to set the range.

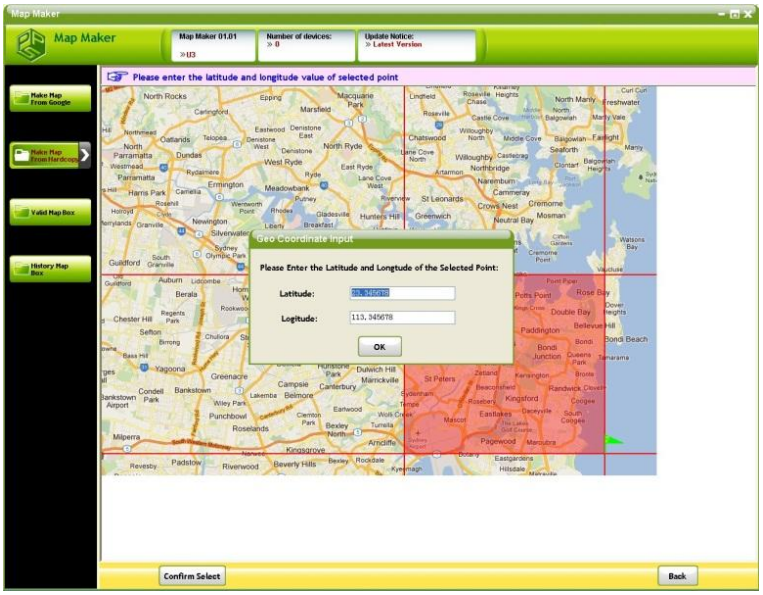


Step 2: Click on the starting point on the map, and click ”Set As Target Area Map Vertex”, then began to select another coordinates.

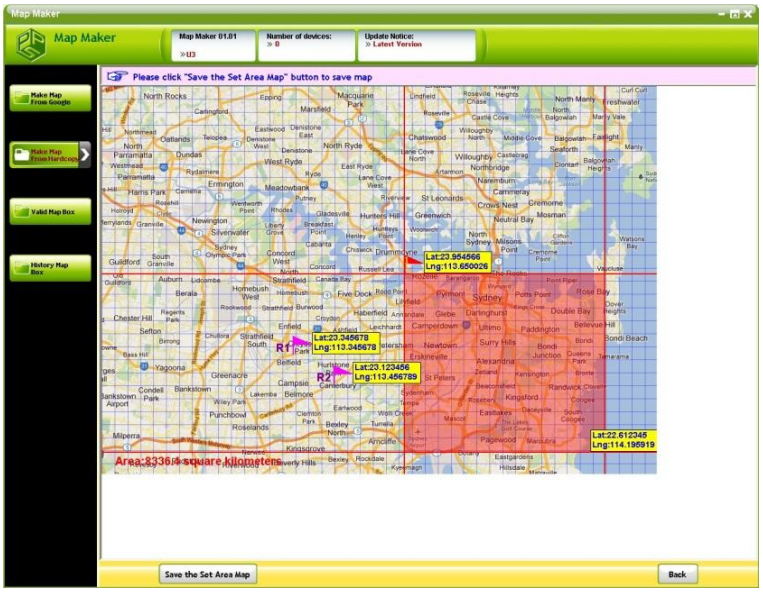


Step 3: After the second choice, click “Set As Target Area Map Vetex” to confirm the range.

Click “Set the First Reference Point” beginning to set latitude and longitude reference standard.

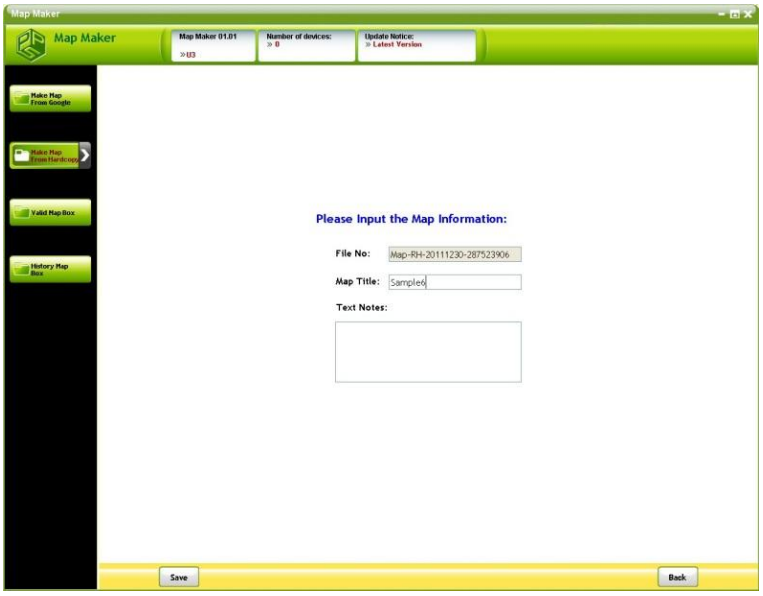


Step 4: Choosing a reference point, click “Confirm Select”, then enter the latitude and longitude coordinates of a reference point. (West longitude, South latitude is negative), then press “Select the Second Reference Point” and click “Confirm Select” to enter the location of the latitude and longitude coordinates.



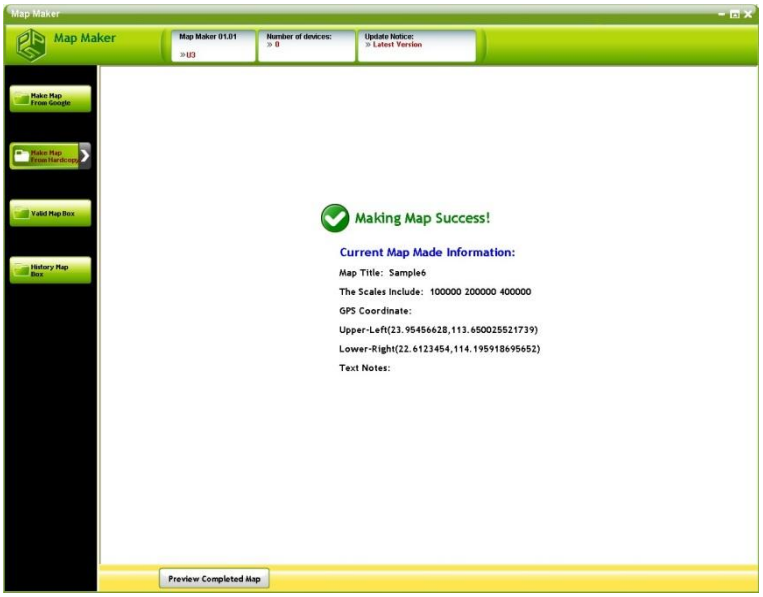
Step 5: Press "Save the Set Area Map" to store this map in the database.

5.4 Input the map information

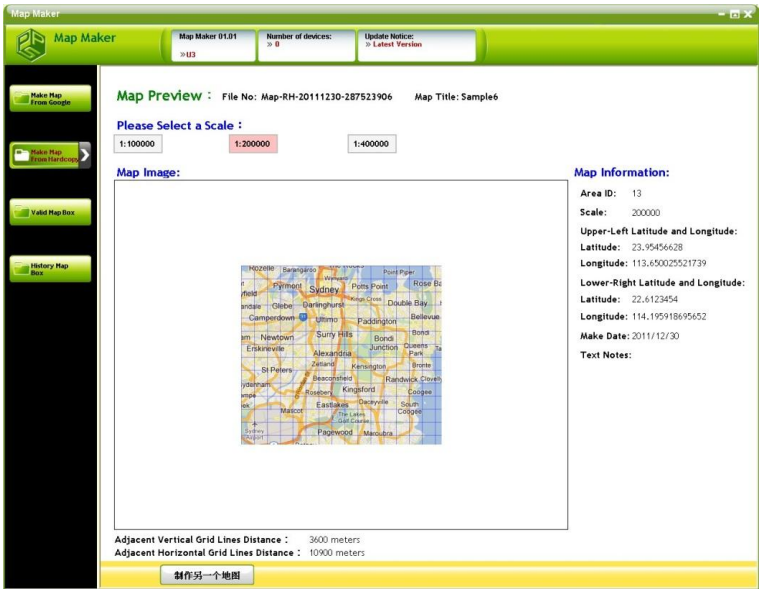


Input the map information, including the title, and the note (optional). After inputting all the information, then press "Save" to start editing the map.

5.5 View the map



After editing the map, please press "Preview Completed Map" to view the complete map.



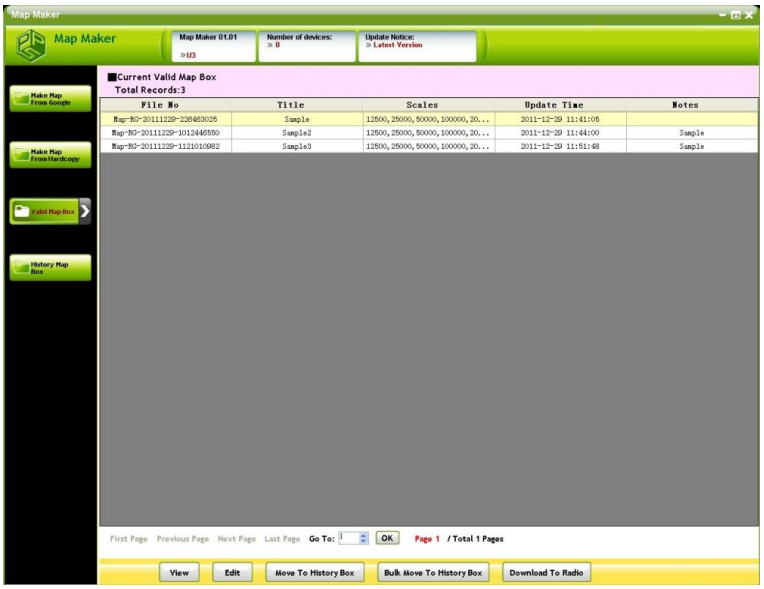
Users can select the scale size to display. To create a new map by using the "hard copy", press "Make Another Map" to edit again the map.

6. Valid Map Box

Currently used map database is represented here. You can program them into the radio.

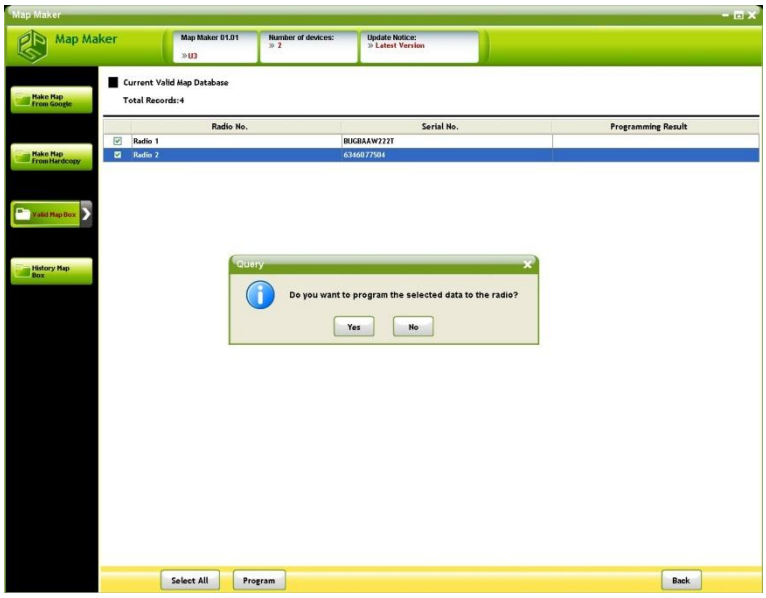
6.1 Introduction of the Interface

On the center of the screen, it shows all the currently used map files in the Valid Map Box, and there are five function keys below.



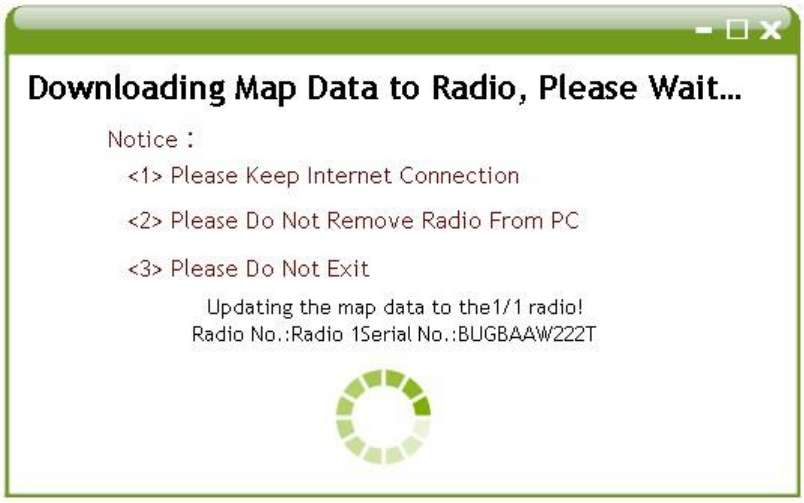
- **View:** View the map information
- **Edit:** Edit map information, including the title and the note of the map.
- **Move To History Box:** Move the currently selected map to the history map database.
- **Bulk Move To History Box:** Put one or more map(s) to the history map database.
- **Download To Radio:** Program the map information to the Radio

6.2 Program to Radio



Step 1: Press “Download to Radio”.

Step 2: Select the Radio unit connected to the computer, then press “Program” to start programming.

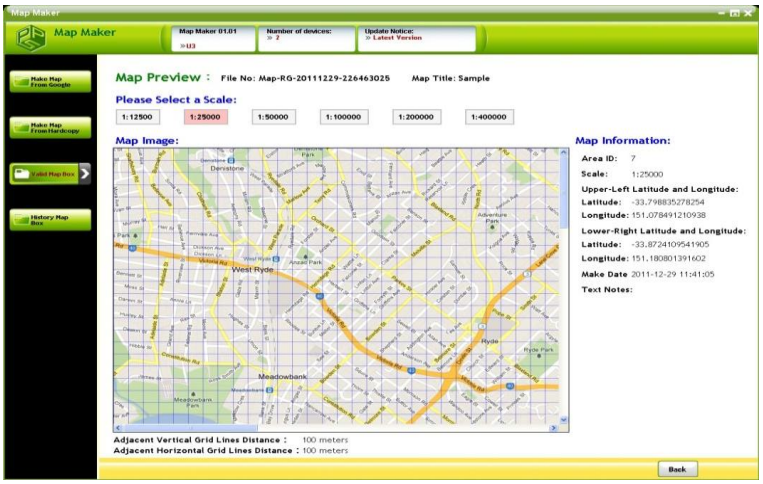


The programming results will show in the “ Programming Result” column.

6.3 View Valid Map Box

To view the map file, press “View” to view the map.

Users can switch the scale of the map.



6.4 Edit the Map Information

Select the map file to edit, press “Edit” to edit the map information. The content includes the map titles and the text notes.

6.5 Move to the History Box

Select the map to move to the History Box.
Press “Move To History Box”, and click OK.
The selected map will be moved to the History Box.

6.6 Bulk Move to the history Box

Step 1: Press “Bulk Move to History Box”.
Step 2: Select one or more map files, and then press “Move to History Box” to move the map file(s) to the History Box.

7. History Map Box

In the History Map Box, the users can view, edit, or delete the map files.

7.1 View the map

Select the map file you want to view, press “View” to view the map content.

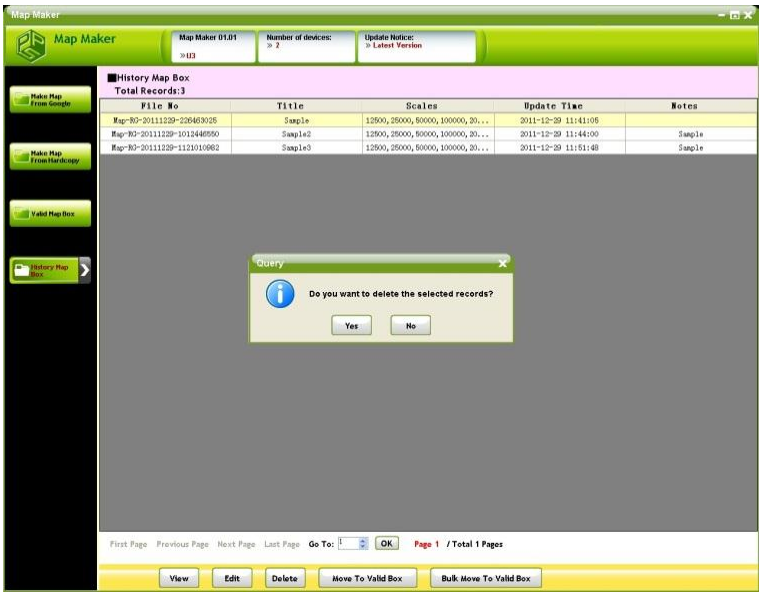
The users can switch the scale of the map.

7.2 Edit the map Information

Step 1: Select the map file to edit.

Step 2: Press “Edit” to edit the map information including the map title and the texts notes

7.3 Delete the map



Select the map file to delete, press “Delete” and “Confirm”to delete the selected map.

7.4 Move to Valid Map Box

Step 1: Select a map file to move to the Valid Map Box.

Step 2: Press “Move to Valid Box”.

Step 3: Press OK. Then the selected map file is moved to the Valid Map Box.

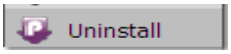
7.5 Bulk moves to the Valid Map Box

Press “Bulk Move to Valid Box”, the users can select one or more map files, and move it to the Valid Map Box.

8. Uninstalling U3 Map Maker

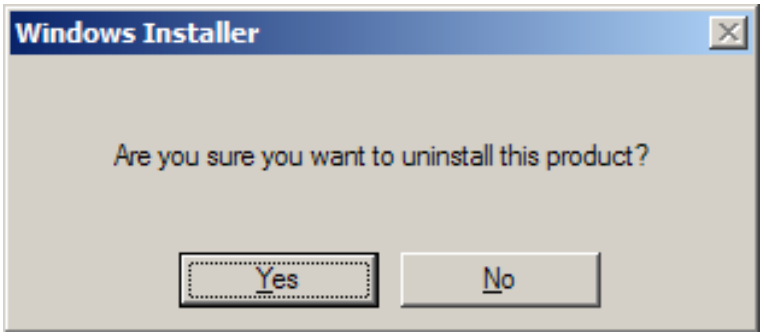
To uninstall U3 Map Maker, please follow instructions below.

(1) Exit all running programs.

(2) From the Start menu, select Programs or All Programs. Find the U3 Mapmaker folder for the map maker program and highlight it then click 

icon to uninstall.

(3) The uninstall wizard will appear, then click “Uninstall” to remove the program. Follow the dialogue “Are you sure to uninstall U3 PPS?”. Click “Yes” to confirm the selection the uninstall process is finished.



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V0.01

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