MERCUSYS®

User Guide

Agile Config

CONTENTS

Chapter 1. Introduction

Agile Config is a function that helps ISP customize configurations of devices in batches. Flexible settings include WAN connection type, SSID, password, and so on.

You can learn how to use Agile Config function from this file, and feel free to contact us if you have any problems.

Chapter 2. Preparing for configuration

Before configuration, you need to prepare the equipment and install "Agile Suite" software.

2.1 Equipment Required

➢ Hardware required: one PC, one switch and one router which supports Agile Config function.

➢ Software required: Excel 2007 or later; Agile Config V1.1 Suite.

2.2 Installing Agile Suite

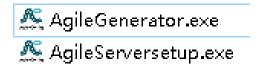You will receive Agile suite which contains the items below:

Figure 2-1

☞ **Note:** The password of the two installers is "Mercusysonly1".

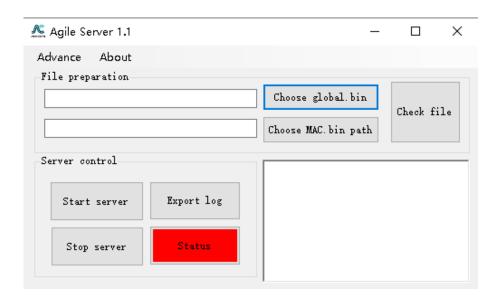1. Click **Agile Serversetup.exe** and follow the instructions to install Agile Config Server.

Figure 2-2

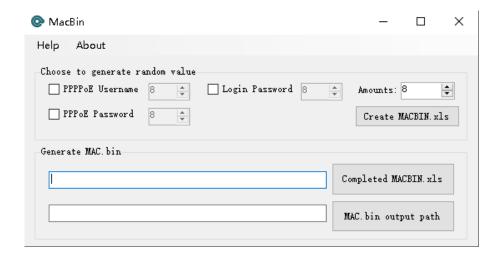2. Click **Agile Generator.exe** and follow the instructions to install MAC.bin generator.

Figure 2-3

2.3 Generating Configuration Files

2.3.1 General Config

global.bin is a general config available for multiple routers of the same model. It is a must for ISP configuration.

1. Plug the PC to the LAN port of the standard prototype via an Ethernet cable, and log in the web

management page.

2. After finishing the general configuration of the standard prototype, click **System Tools -> Back & Restore –> Backup**. The configuration file will be downloaded right away by the browser, and you can find it in the download path.
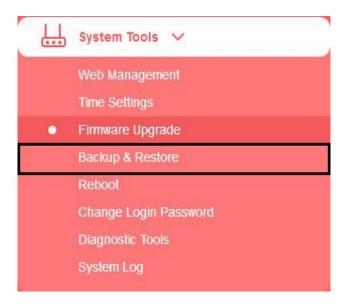

Figure 2-4

Figure 2-5

☞ **Note:**

a) The exported configuration file is one **"xxxxx.bin"** file based on the model name. Usually, it is named as **"model + build_data + build_time + n .bin",** such as **"MW301RV219062842302n.bin".**

b) Please do not rename the downloaded configuration file.

2.3.2 Specific Config

MAC.bin only supports changing several parameters now, including Network Name (SSID) and

3

Wireless password, password of Web management interface, username and password of PPPoE connection, IP address, subnet mask and gateway address of static IP connection. It is optional to ISP configuration.

Here is a typical example: A WISP bought 10 pcs of our products, and they want to set PPPoE as the connection type. Each router has different PPPoE username and password, we can set and record them as default configuration via the tool.

1. Run Agile Generator.exe.

We assume that the connection type is PPPoE and the username and password of PPPoE are composed of 8-bit random characters. Select "**PPPoE Username**" and "**PPPoE Password**" and enter a digit such as 8. Set "**Amounts**" to 10.

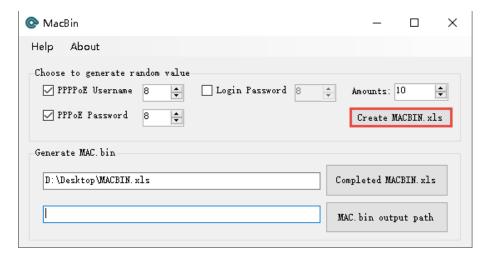2. Click "**Create MACBIN.xls**".

Figure 2-6

3. Open **MACBIN.xls**, you can find the columns of **PPPoE Username** and **Password** are filled out with random values. Input the MAC address of devices. Save after completion.
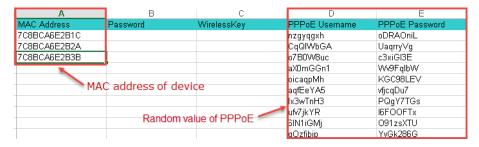

Figure 2-7

☞ **Note:** You can get the list of MAC addresses from the manufacturer.

4. Click the "**Completed MACBIN.xls**" button and select the excel table you just saved, then click and select "**MAC.bin output path**". The "**MAC.bin**" file will be automatically generated in the folder you have chosen.
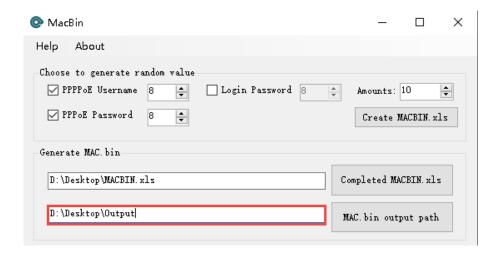

Figure 2-8

☞ **Note:**

a) The exported configuration file is one "**xxxxx.bin**" file based on MAC address, such as "**7C8BCA6E2B1C.bin**". One file for one device.

b) For Static IP, you need to build up Static IP connection in general config first, then set static IP parameters in specific config.
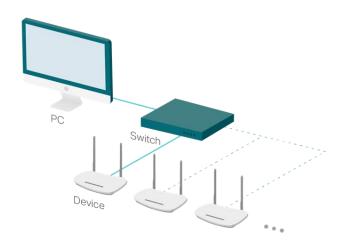
Chapter 3 Updating Devices

3.1 Topology

Figure 3-1

Connect the PC to the switch first, then connect the WAN port of the device to the switch.

☞ **Note:** It supports updating devices in batches, depending on the amount of the ports on a switch.

3.2 Importing Configuration Files

1. Set the IP address and subnet mask of your PC as "192.168.66.10, 255.255.255.0", keep default gateway unchanged and click **Save**.

2. Run Agile Server.exe.

3. Click "**Choose global.bin**" button and select the **global.bin** file you have created.

4. Click "**Choose MAC.bin path**" button and select the folder where "**MAC.bin**" files are saved.

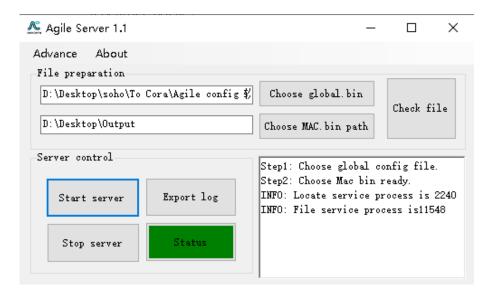5. Click "**Start server**" button. "**Status**" button turns green if Agile Server starts to run.

Figure 3-2

6. Power on the device and wait for almost 20 seconds, it will reboot automatically.

7. Configuration files will be successfully imported after the reboot.

3.3 Erasing the Configuration

1. Press and hold the **Reset** button for 30 seconds, the configuration will be erased automatically.

    ☞ **Note:** The four LEDs will flash, indicating that erasure is triggered.

2. The device will reboot automatically.