



## <A1/A2 post Instructions>

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## 1 Revision History

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Revision history:

Revision	Author	Date	Description
0.0.0	jason	2014-1-20	The initial version

## 2 Introduction

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### 2.1 Overview

Introduction Ralink single port A1, post method uses two of A2.

### 2.2 Target Audience

Maintenance A1, A2 developer clerks, technical support staff, such as for internal testers.

### 2.3 Glossary

None

### 2.4 Reference

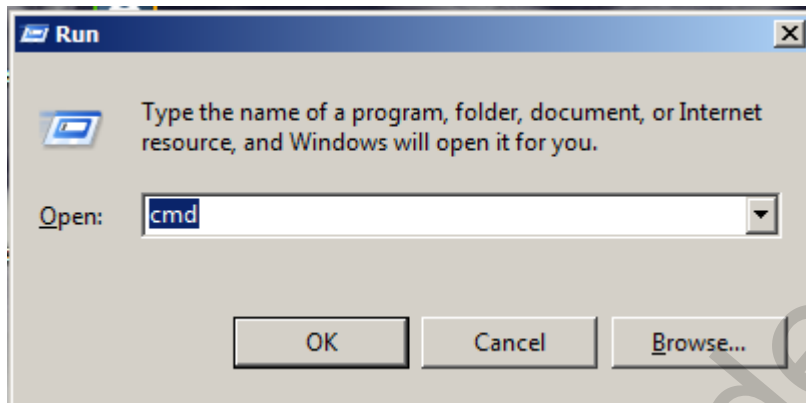
None

## 3 Post Basic use

### 3.1 Into Post

#### The first step :

In the Windows start - > run type "**cmd**" in the conversation, click ok, open a command line window.



#### The second step:

Into the nc program directory, such as I put the nc. Exe in E: \ nc directory :

```
C:\Documents and Settings\new>e:
E:\>cd nc
E:\nc>
```

## The third step:

Type the command `nc -u -v -p 6666 192.168.10.1 6666` (The 192.168.10.1 IP for stand-up devices) and confirm it, the IP address of the PC has the network segment, **attention**, Network cable to connect the LAN port of the equipment.

```
C:\Documents and Settings\new>e:
E:\>cd nc
E:\nc>nc -u -v -p 6666 192.168.10.1 6666
```

And then restart the stand-up equipment and continuous input enter under the command window, until the tip window appears as follows

```
C:\Documents and Settings\new>e:

E:\>cd nc

E:\nc>nc -u -v -p 6666 192.168.10.1 6666
DNS fwd/rev mismatch: localhost != new-1ef4cd2a6be
localhost [192.168.10.1] 6666 (?) open

Unknown command

      POST Menu
=====
[1] TFTP Client Download
[2] Show current MAC address
[3] Clear Config
[4] Exit

Please enter your number:
```

## 3.2 Check the MAC address

Type 2, check the MAC address

```
Unknown command

      POST Menu
=====
[1] TFTP Client Download
[2] Show current MAC address
[3] Clear Config
[4] Exit

Please enter your number: 2
2
MAC ADDRESS = 00:01:0e:59:68:ce

      POST Menu
=====
[1] TFTP Client Download
[2] Show current MAC address
[3] Clear Config
[4] Exit

Please enter your number:
```

The screen will appear:



MAC ADDRESS = 00:01:0e:59:68:ce

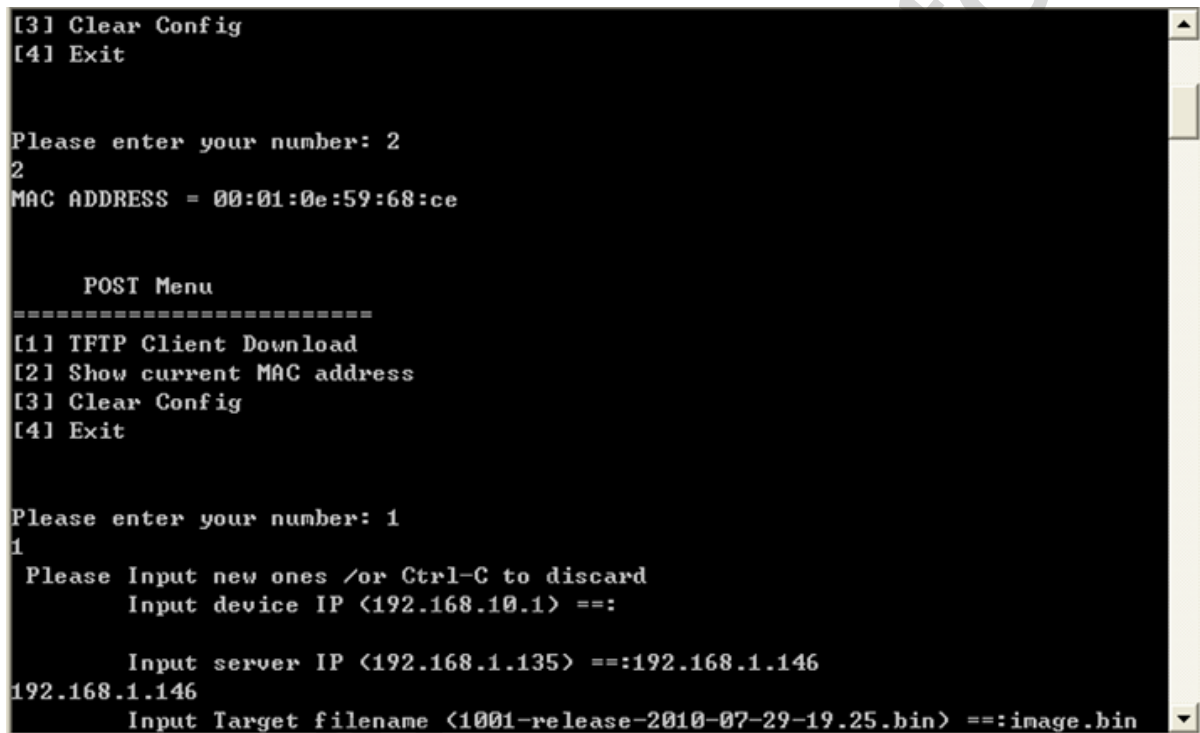
And then will continue to prompt for the command

### 3.3 Remove configuration

Enter 3 to remove configuration to factory configuration

### 3.4 Upgraded version

Input 1, upgrade the image



```
[3] Clear Config
[4] Exit

Please enter your number: 2
2
MAC ADDRESS = 00:01:0e:59:68:ce

      POST Menu
=====
[1] TFTP Client Download
[2] Show current MAC address
[3] Clear Config
[4] Exit

Please enter your number: 1
1
  Please Input new ones /or Ctrl-C to discard
    Input device IP <192.168.10.1> ==:

        Input server IP <192.168.1.135> ==:192.168.1.146
192.168.1.146
    Input Target filename <1001-release-2010-07-29-19.25.bin> ==:image.bin
```

First prompted for Input device IP (192.168.10.1) ==: Please do not modify

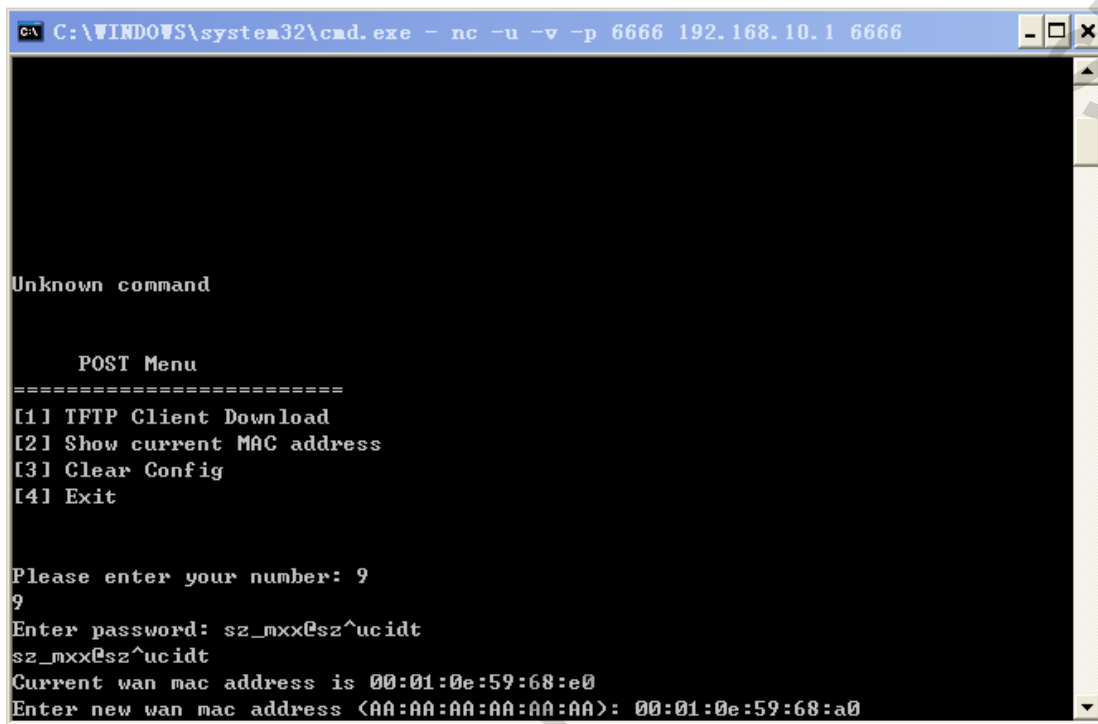
And then prompts for Input server IP (192.168.1.135) ==: Please enter the tftp server ip  
for example: 192.168.1.146

And then prompts for Input Target filename (1001-release-2010-07-29-19.25.bin) ==: Please  
enter the upgrade version, for example: image.bin

## 4 Post Hidden commands

### 4.1 Set MAC address

Enter “9” Set MAC address, password is “sz\_mxx@sz^ucidt”.



```
C:\WINDOWS\system32\cmd.exe - nc -u -v -p 6666 192.168.10.1 6666

Unknown command

      POST Menu
=====
[1] TFTP Client Download
[2] Show current MAC address
[3] Clear Config
[4] Exit

Please enter your number: 9
9
Enter password: sz_mxx@sz^ucidt
sz_mxx@sz^ucidt
Current wan mac address is 00:01:0e:59:68:e0
Enter new wan mac address (AA:AA:AA:AA:AA:AA): 00:01:0e:59:68:a0
```

### 4.2 Clear MAC address

Enter “c” Clear MAC address, password is “macclear”.

```
C:\WINDOWS\system32\cmd.exe - nc -u -v -p 6666 192.168.10.1 6666

POST Menu
=====
[1] TFTP Client Download
[2] Show current MAC address
[3] Clear Config
[4] Exit

Please enter your number: c
c
Enter password: macclear
macclear

b_end =BF7FFFFF
Erase Flash from 0xbf040000 to 0xbf04ffff in Bank # 1
done
Erased 1 sectors
Copy to Flash... done
mac address write completed

POST Menu
=====
[1] TFTP Client Download
[2] Show current MAC address
```

## 4.3 Clear mmiset

Enter "m", clear mmiset.

```
POST Menu
=====
[1] TFTP Client Download
[2] Show current MAC address
[3] Clear Config
[4] Exit

Please enter your number: m
m

Warning!! This command will clear the mmiset of Board.
Are you sure?(Y/N)
y
Erase mmiset !!
From 0xBF3D0000 To 0xBF3EFFFF

b_end =BF7FFFFF
Erase Flash from 0xbf3d0000 to 0xbf3effff in Bank # 1
done
Erased 2 sectors
```

## 4.4 Upgrade Post

Enter “p” upgrade Post, password is “bootrom”.

```
localhost [192.168.10.1] 6666 <?> open

Unknown command

      POST Menu
=====
[1] TFTP Client Download
[2] Show current MAC address
[3] Clear Config
[4] Exit

Please enter your number: p
p
Enter post update password: bootrom
bootrom
Please Input new ones /or Ctrl-C to discard
Input device IP <192.168.10.1> ==:

Input server IP <192.168.1.52> ==:

Input Uboot filename <3201-release-2010-07-30-18.27.bin> ==:uboot.bin
```

## 4.5 Upload burning documents

Enter “u” Upload burning documents, password is “voipwl”.

```
localhost [192.168.10.1] 6666 <?> open

Unknown command

      POST Menu
=====
[1] TFTP Client Download
[2] Show current MAC address
[3] Clear Config
[4] Exit

Please enter your number: u
u
Enter upload password: voipwl
voipwl
  Please Input new ones /or Ctrl-C to discard
    Input device IP <192.168.10.1> ==:

        Input server IP <192.168.1.52> ==:192.168.1.135
192.168.1.135
        Input Target filename <uboot.bin> ==:upload.bin
```

## 4.6 Into Uboot

Enter “-” into the default uboot command menu.

```
      POST Menu
=====
[1] TFTP Client Download
[2] Show current MAC address
[3] Clear Config
[4] Exit

Please enter your number: -
-
return to main menu
0
RT3052 # help
help
in do_help.cmd_items=22
?      - alias for 'help'
bootm  - boot application image from memory
cp      - memory copy
erase   - erase FLASH memory
go      - start application at address 'addr'
help    - print online help
md      - memory display
mdio    - Ralink PHY register R/W command !!
```

## 4.7 From Uboot in entering Post

Enter "wlpst", You can also return to the menu command post.

```
nm      - memory modify <constant address>
printenv- print environment variables
protect - enable or disable FLASH write protection
reset   - Perform RESET of the CPU
run      - run commands in an environment variable
saveenv - save environment variables to persistent storage
setenv   - set environment variables
spicmd   - read/write data from/to eeprom or vtss
tftpboot- boot image via network using TFTP protocol
tftpupload- upload flash content via network using TFTP protocol
version - print monitor version
wlpst    - enter winline post menu
RT3052 # wlpst
wlpst

      POST Menu
=====
[1] TFTP Client Download
[2] Show current MAC address
[3] Clear Config
[4] Exit

Please enter your number:
```