

## Password Recovery Procedure for 3CRWEASYA73

If login password is lost, the only way is to reset the device to factory default.

The main purpose of this guide is to make the device to boot into recovery mode, format the file system and load a firmware to the device. By formatting the file system, all firmware and config file are lost, once a firmware is loaded to the device, the system will create a default config file.

Below are the procedures:

**Connect the device to a PC through console cable.**

**(Baud rate=9600, Data bits=8, Parity=None, Stop bits=1, Flow control=none)**

**Reboot the device.**

-----  
ar531x rev 0x00005742 firmware startup...

SDRAM TEST...PASSED

Boot Code version: 2.1.6

4

(Press Esc key to stop

countdown)

oot]: c

(Input c to edit the boot

parameters)

'.' = clear field; '-' = go to previous field; ^D = quit

boot device : tffs:0

processor number : 0

host name :

file name : /fl/3com-img.bin /fl/3com (change the filename of the boot image)

inet on ethernet (e) :

inet on backplane (b):

host inet (h) :

gateway inet (g) :

user (u) :

ftp password (pw) (blank = use rsh):

flags (f) : 0x0

target name (tn) :

startup script (s) : factory

other (o) : ae

[Boot]: @  
device)

(input @ to start boot up the

Attached TCP/IP interface to ae0.

Warning: no netmask specified.

Attaching network interface lo0... done.

Attaching to TFFS... Attaching to TFFS... done.

Wait for reset , 4..3..2..1..0

Loading /fl/3com...

Cannot open "/fl/3com". (Since the filename is changed, the device is not able to find the boot image)

Boot web up ... (The device will boot into recovery mode)

\*Press Enter key to skip the unchanged parameters, and the values in green color are what we input

\*\*Rename the firmware file in FTP/TFTP server to 3com-img.bin (e.g. A73\_02\_02\_19\_sh.img to 3com-img.bin). We need the firmware file in step 2 of below procedure.

Recovery mode IP address is 192.168.1.20, please do the following steps one by one:

1. Format File System (It takes several minutes to format the file system)
2. Download an image through FTP or TFTP (Please ensure the firewall of PC does not block file transfer)
3. Reset

The screenshot shows a web browser window with the address bar displaying 'http://192.168.1.20/'. The page title is 'Recovery System'. The main content area has a yellow background and is divided into three sections: 'Remote Download', 'Reset Board', and 'Format File System'. The 'Remote Download' section has radio buttons for 'FTP' (selected) and 'TFTP'. Below these are four input fields: 'New firmware file', 'IP Address', 'Username', and 'Password'. A 'Start Upgrade' button is located below the input fields. The 'Reset Board' section has a 'Reset' button. The 'Format File System' section has a 'Format' button. At the bottom of the page, there is a message: 'It may take several minutes to upgrade the firmware please wait...'. The browser's status bar at the bottom shows '完成' (Completed) and '網際網路' (Internet).

Once the Reset button is pressed, the device restarts, if the device still use the wrong filename to locate the boot image, it will boot into recovery mode again.

-----  
0

auto-booting...

Attached TCP/IP interface to ae0.

Warning: no netmask specified.

Attaching network interface lo0... done.

Attaching to TFFS... Attaching to TFFS... done.

Wait for reset , 4..3..2..1..0

Loading /fl/3com...

Cannot open "/fl/3com".

(The correct boot image cannot be found)

Boot web up ...  
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In this case, we have to reboot the unit and change the filename to correct one.

-----  
ar531x rev 0x00005742 firmware startup...

SDRAM TEST...PASSED

Boot Code version: 2.1.6

4

(Press Esc key to stop

countdown)

oot]: c

(Input c to edit the boot

parameters)

'.' = clear field; '-' = go to previous field; ^D = quit

boot device : tffs:0

processor number : 0

host name :

file name : /fl/3com /fl/3com-img.bin (change the filename to correct one)

inet on ethernet (e) :

inet on backplane (b):

host inet (h) :

gateway inet (g) :

user (u) :

ftp password (pw) (blank = use rsh):

flags (f) : 0x0

target name (tn) :

startup script (s) : factory

other (o) : ae

[Boot]: @

(input @ to start boot up the

device)

Attached TCP/IP interface to ae0.

Warning: no netmask specified.

Attaching network interface lo0... done.

Attaching to TFFS... Attaching to TFFS... done.

Wait for reset , 4..3..2..1..0

Loading /fl/3com-img.bin...Boot web up ...

(This line indicate the boot image is loaded

successfully)

18984 + 2445520 + 105600

Starting at 0x80880000...

\*The device will then start with default config.

\*\*If you did not rename the firmware, for example, the firmware is called A73\_02\_02\_19\_sh.img, then the device may try to locate this filename to boot the image.