

Product: Cyber-Wrt	Platform: ASUS RT-AC56U		
Cyber-Wrt embedded in ASUS RT-AC56U Installation Guide			
Date: 25- Oct -2015	Version: 4	Page: 1/7	Author: C. Zeler

Product information

Cyberhotel was first developed to offer a complete IP -PBX system for the hospitality industry, it includes the usual administrative functions for PBX phones over a dedicated interface and specific functions for hotel rooms like check-in check-out, billing, wake-up, house-keeping...

Cyberhotel then has integrated a wireless controller with a single action to provide internet and phone access. Finally Cyberhotel has evolved on an embedded version in the router for small systems up to 45 positions under the name Cyber-wrt.

Prerequisites

You must have one EXT2, EXT3 or EXT4 USB drive ready otherwise please follow these [instructions](#) first.

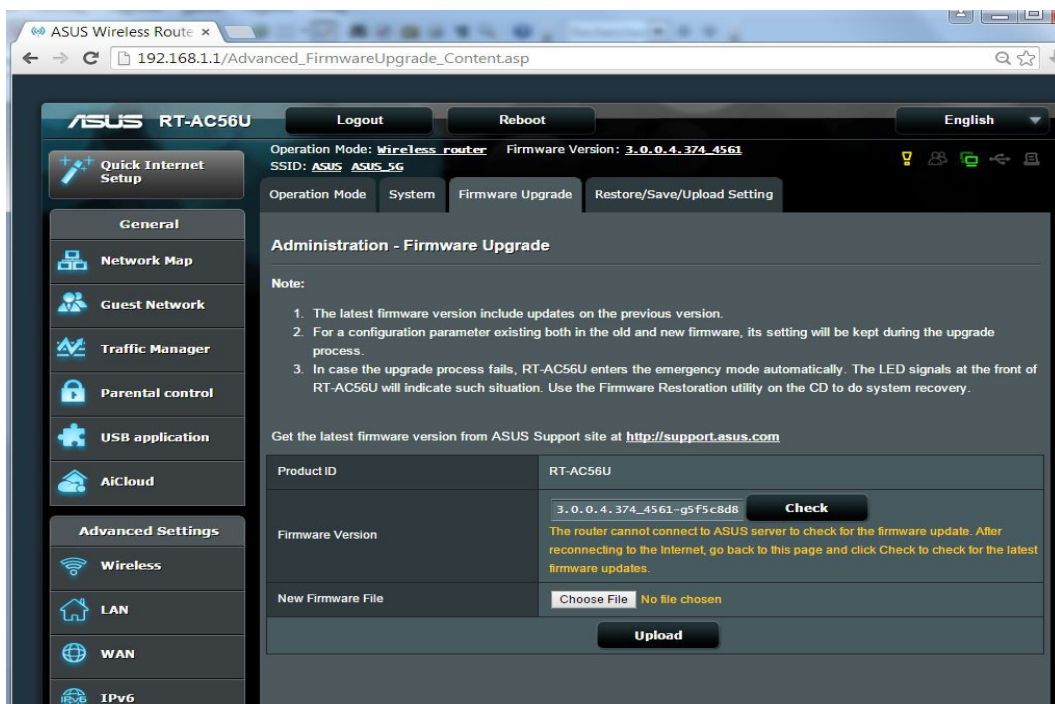
Installation

- Download needed files to flash the router:

http://cyberhotel.comdif.com/up/arm/routerconfig/nvrambak_sda1_RT-AC56U.bin

http://cyberhotel.comdif.com/up/arm/firmware/asus_rt-ac56u-firmware-25697.trx

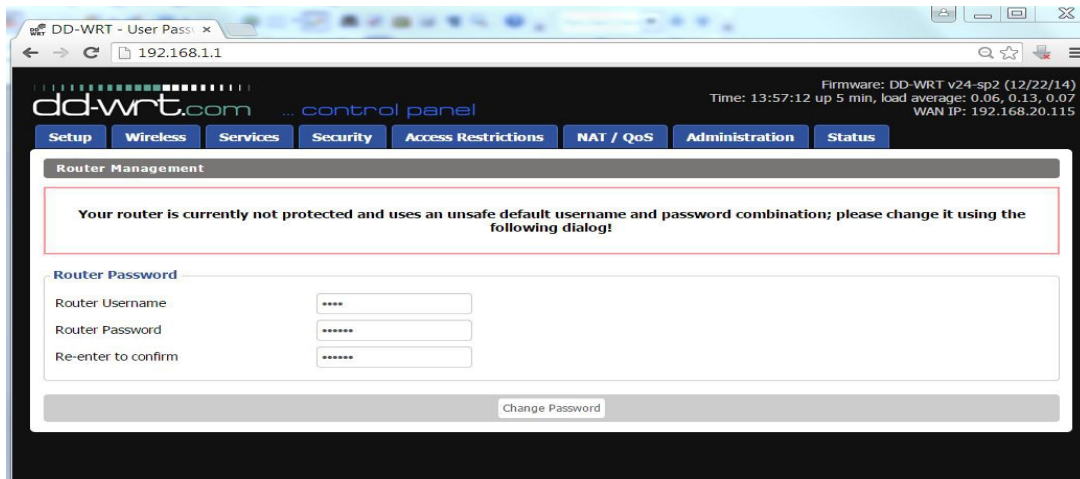
- 1- Turn on the router without connecting nothing to Wan or Lan
- 2- Plug the lan Cable on the router port 2 or 3 and on your computer
- 3- Go to http://192.168.1.1/Advanced_FirmwareUpgrade_Content.asp



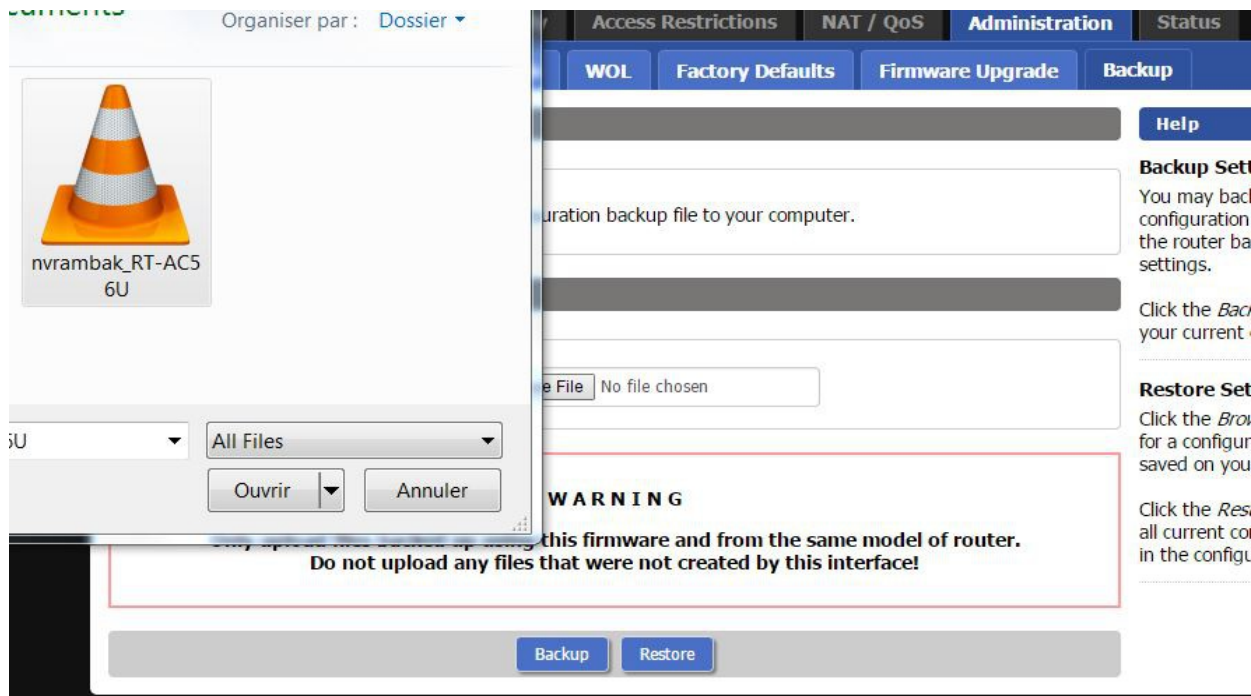
Click on Choose file and select the firmware you have downloaded and saved on your computer: **asus_rt-ac56u-firmware-25697.trx** Click Upload and expect it to be completed.

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Re connect and go to: <http://192.168.1.1/config.asp>
 You will be prompted for new login and password, please change for
 LOGIN: root and PASSWORD: comdif

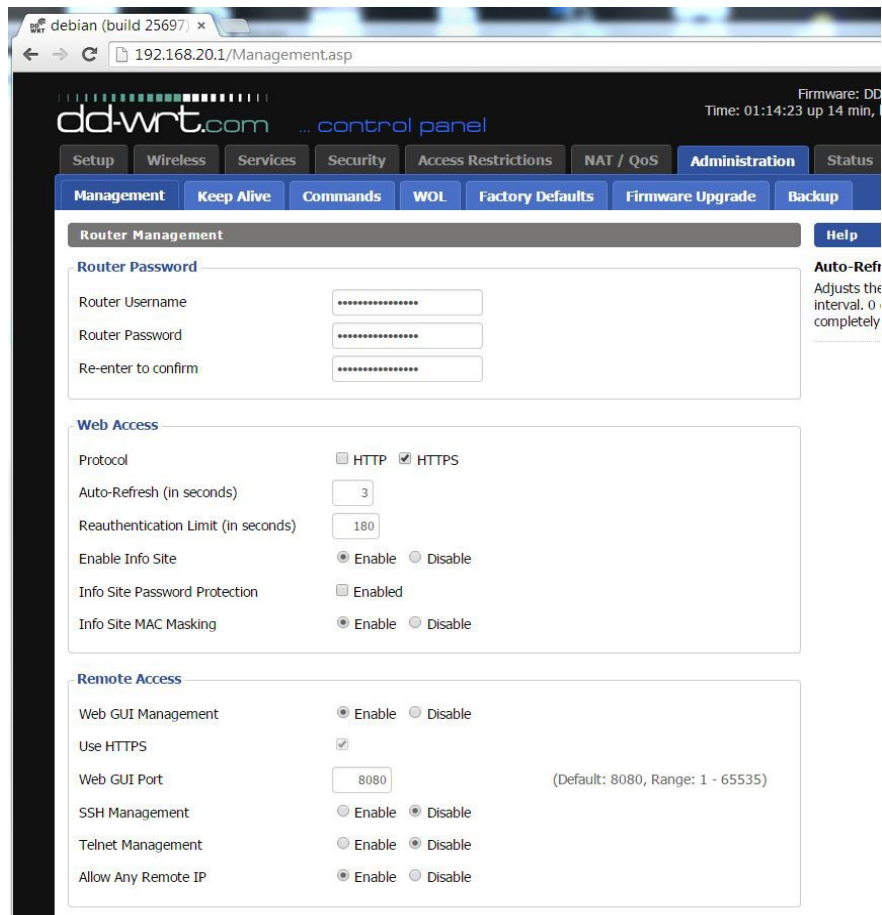


Go to: Administration --> Backup --> select a file to restore
 Choose the file downloaded before: **nvrmbak_sda1_RT-AC56U.bin** and click Restore



Router will reboot by himself. Please reboot it also another time using power-off/on button.
 You will find you router now on <http://192.168.20.1>
 Please connect and go to Administration --> Management uncheck http and check https

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Save turn off router and now **CONNECT YOUR EXT USB KEY ON THE BLUE USB PLUG**
 Turn on router and connect it now on <https://192.168.20.1>
 Goto Services --> USB <https://192.168.20.1/USB.asp>
 and check if /dev/sda1 is mounted on opt

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USB Support

Core USB Support Enable Disable

USB Printer Support Enable Disable

USB Storage Support Enable Disable

USB Over IP Enable Disable

Automatic Drive Mount Enable Disable

Run-on-mount Script Name

Mount this Partition to /jffs UUID

Mount this Partition to /opt UUID

Use SES Button to remove drives Enable Disable

Disk Info

Diskspace /jffs	2.3M / 93.7M	2%
Diskspace /opt	2.0K / 6.6G	0%

```

--- /dev/sda1
Block device, size 7.464 GiB (8014266368 bytes)
Ext4 file system
Volume name "debian"
UUID FBE0FFB6-0949-D001-5080-FEB60949D001 (NCS)
Volume size 7.464 GiB (8014266368 bytes, 7826432 blocks of 1 KiB)
/dev/sda1 mounted to /opt

```

Normally the startup commands mount for you the disk, if not just copy the real UUID and past it on Mount this Partion to /opt:

On this exemple UUID to copy and past is FBE0FFB6-0949-D001-5080-FEB60949D001

Also maybe you use a multipartition Key and EXT partition may be sda5 or other name in this case you have to change the startup script

Administration --> Commands --> Edit, change mount /sda1 for the good value and click Save startup.

If all is ok it's time to connect Wan to Internet and to be sure you have internet access

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GO to Administration --> commands and open also a new browser tab to Services --> USB
 Enter command
`wget -P /opt http://cyberhotel.comdif.com/up/arm/in_arm_opt.tar.gz`
 and leave this page open



Check on the other tab the Diskspace /opt
 Wait until the size is: 502,9 M and wait one or two minutes after you get this value
 Depending your connection speed it can take a long time.

Go back to the Administration --> commands tab and enter now:
`tar -xzf /opt/in_arm_opt.tar.gz -C /opt`
 and let the page working it will take long time.

You can check on the other tab Diskspace /opt must be at the end 1,7 G
 but please wait 5 minutes more to be sure that the job is complete

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Setup
Wireless
Services
Security
Access Restrictions
NAT / QoS
Administration

Services
FreeRadius
PPPoE Server
VPN
USB
NAS
Hotspot
SIP Proxy
Ad

USB Support

USB Support

Core USB Support Enable Disable

USB Printer Support Enable Disable

USB Storage Support Enable Disable

USB Over IP Enable Disable

Automatic Drive Mount Enable Disable

Run-on-mount Script Name

Mount this Partition to /jffs UUID

Mount this Partition to /opt UUID

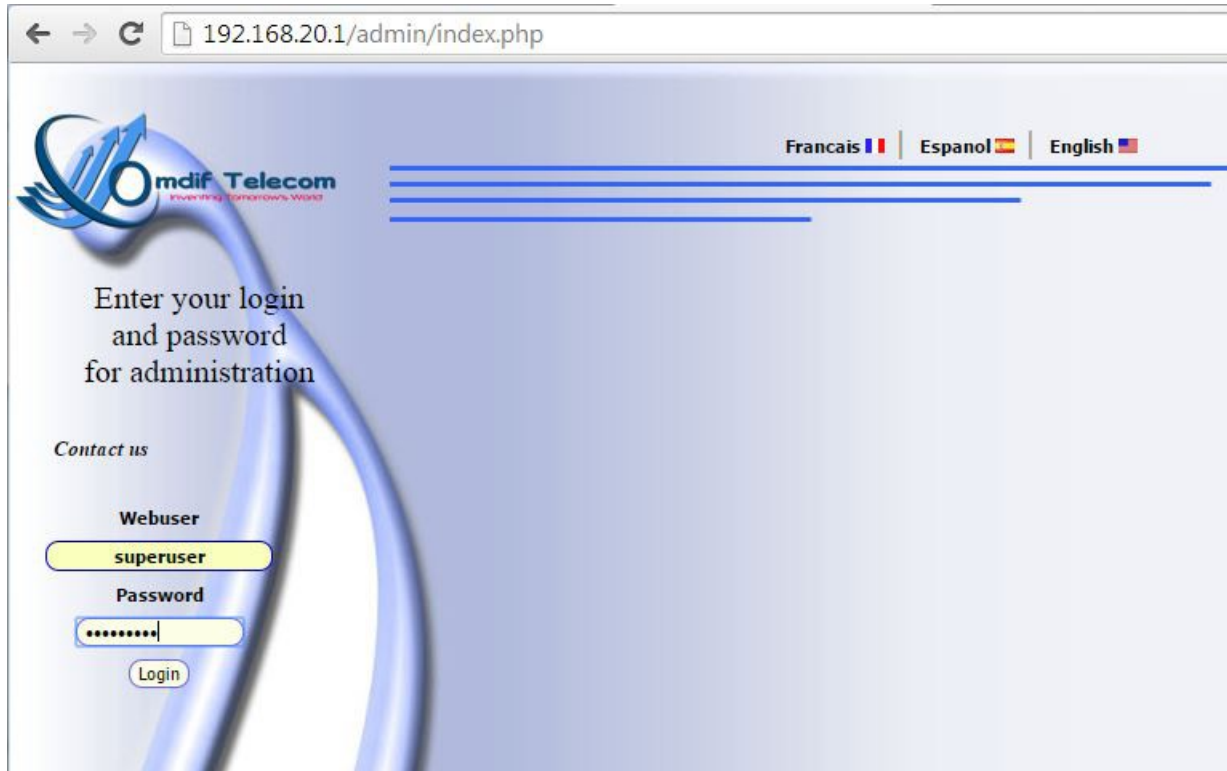
Use SES Button to remove drives Enable Disable

Disk Info

Diskspace /jffs	2.3M / 93.7M	<div style="background-color: #ccc; width: 100%; height: 15px; position: relative;"> <div style="background-color: #007bff; width: 2%; height: 100%;"></div> 2% </div>
Diskspace /opt	1.7G / 5.0G	<div style="background-color: #ccc; width: 100%; height: 15px; position: relative;"> <div style="background-color: #007bff; width: 25%; height: 100%;"></div> 25% </div>

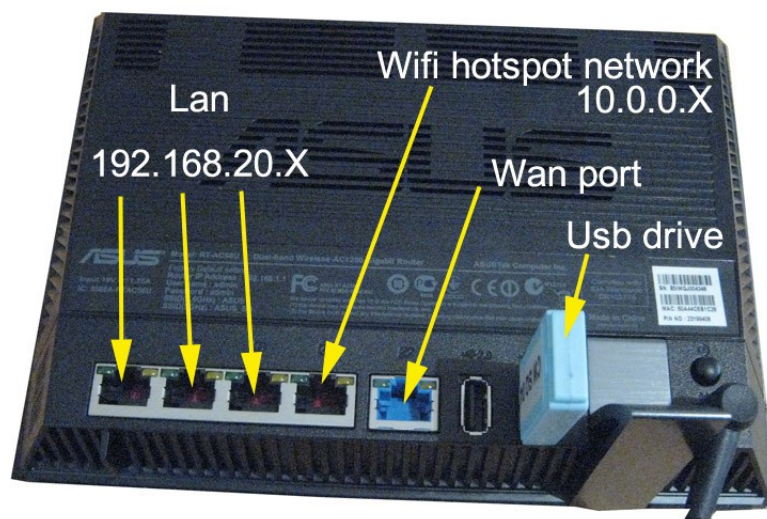
Reboot Router and normaly you can go now on <http://192.168.20.1/admin>
 And login with: **superuser / superuser**

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Check then that you can go on each menu including webmin menu
Webmin login and password is the same as the router access.

Cyber-wrt



To use the Wifi Network Hotspot Captive portal connect an or more access point to port 4
You are ready now to start your IPBX and Hotspot configuration.