

technicolor



Operation Manual

Operation Manual for Software Upgrade Instruction of TB30

TB30_Software Upgrade Instruction-V0001.doc

Apr 6. 2010

TABLE OF CONTENTS

1	INTRODUCTION	1
2	RESET TO DEFAULT (RECOMMENDED)	2
	VIA MMI:.....	2
	VIA WEBGUI:	2
	VIA TELNET:.....	2
3	UPGRADE VIA APS (DHCP + TFTP)	3
4	UPGRADE VIA TELNET	5
5	UPGRADE VIA WEBGUI	8



1 Introduction

In this paper, you will know the software upgrade procedures.

In the software package, you can find the core files below:

Core files for TB30s SG:

Application image filename: TB30S.<release date>.<version>.zz

DSP filename: TB30S_<version>_dsp.zz

Common Configuration: ComConfTB30S_<version>.txt

Telephone configuration: TelConfTB30_<version>.txt

Note:

This document takes the TB30S upgrade procedure as an example.

2 Reset to Default (Recommended)

Before software upgrade, you are recommended to perform the **Reset to default** on the phone.

There are different ways to do the reset to default process on the phone:

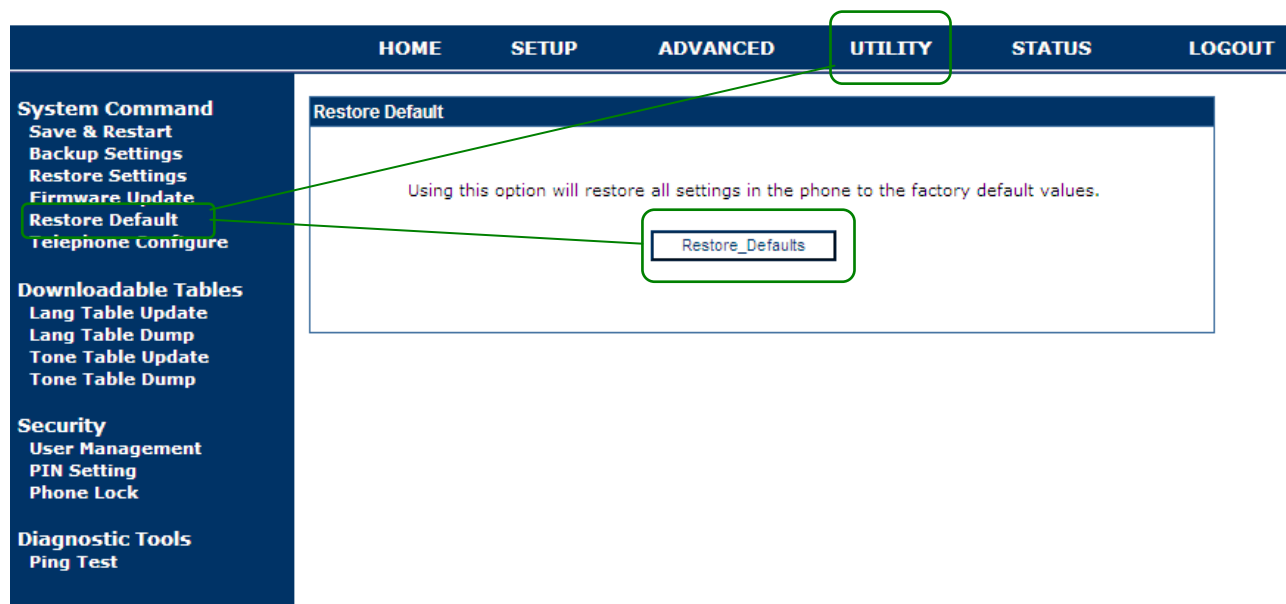
Via MMI:

Press [Menu] -> [Admin] -> Enter password (default: 784518)
-> Select Reset Default, **OR**

Via WebGui:

Visit UTILITY -> Restore Default -> Restore_Defaults, **OR**

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Via Telnet:

To configure, open a command line console, and telnet the phone:

Commands	Description	Example
Reboot reset	Reset to default	[administrator]# reboot reset



3 Upgrade Via APS (DHCP + TFTP)

AutoProvisioning is available to upgrade the full set of configuration files into the phone.

A brief description will be provided for APS methods (**DHCP + TFTP**) in this document, but not go into detail. For the settings in DHCP and TFTP servers, please refer to the *TB30 AutoProvisioning-V00xx.pdf*, in the release package (../APS&FW upgrade folder)

Example:

In software release package, TB30_SG_vx.xx_Release_package\APS TFTP sample files, you will have:

Provisioning Information file:	TB30S.inf
Application image filename:	TB30S.xxxxxx.x.xx.zz
DSP filename:	TB30S_xxxxx_dsp.zz
Common config filename :	ComConfTB30S_xxxxxx.txt
Mac config filename:	TB30S_xxxxMACxxxx.txt
Telephone configuration:	TelConfTB30_ST2030_xxxxx.txt
Melody file filename:	Tone-Melodies.txt
System melody file filename:	Tone-RG.txt
call_waiting_tone name:	Tone-CW.txt
tone_table name:	ToneTbl_x.xx.x.zz
language_table name:	LangTbl_x.xx.x.zz

4.1-1. Before doing APS, DHCP and TFTP servers must be setup and ready.

- DHCP server:
 - Option **66** and **67** should be configured correctly
 - **Option 66:** The TFTP server IP address for upgrading
 - **Option 67:** The configuration file name in TFTP server for upgrading
- TFTP server:
 - The root directory should be selected for downloading the set of configuration files for APS in TFTP server.

4.1-2. The APS procedure is more or less the same as normal version. Modify the TB30S.inf file, for example:

```
[application]
fw_filename= TB30..xxxxxxx.x.xx.zz
dsp_filename= TB30S _xxxxx_dsp.zz

[config]
telcfg= TelConfTB30_ST2030_xxxxxx.txt
common_config= ComConfTB30S_xxxxxx.txt

melodies= Tone-Melodies.txt
system_melodies= Tone-RG.txt
call_waiting_tone= Tone-CW.txt

tone_table= ToneTbl_x.xx.x.zz
language_table= LangTbl_x.xx.x.zz
```

4.1-3. Power up the phone. APS will start automatically.

Configuration Checking

4.1-4. After APS, you are highly recommend to check the APS log to make sure all the configuration files are correctly downloaded to phone.

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The screenshot shows the Thomson web interface. The top navigation bar has tabs: HOME, SETUP, **ADVANCED**, UTILITY, STATUS, and LOGOUT. The left sidebar has a tree view with categories: Network Interface, VoIP Service, Auto Provisioning, and Secure. Under Auto Provisioning, 'Basic Setup' is expanded, and 'APS Log' is selected. The main content area is titled 'Auto Provision Log' and contains the following log text:

```
Autoprovision Process start
Begin General file download...
Error: ST2030S_000E504E6395.inf file not found!
Downloading file ST2030S_000E504E6395.inf fail!
Retry after 30 seconds ...
General file: st2030s.inf download successfully!
Begin Firmware download...
Firmware: v2030SG.R11.1.090213.2.67.1.zz download successfully!
Begin DSP download...
DSP: v2030_dsp_v310.zz download successfully!
Begin Boot Code download...
BOOT: v2030_boot_v111.zz download successfully!
Reboot.....
Begin General file download...
Error: ST2030S_000E504E6395.inf file not found!
Downloading file ST2030S_000E504E6395.inf fail!
Retry after 30 seconds ...
General file: st2030s.inf download successfully!
Begin Firmware download...
Firmware filename is the same!
Begin DSP download...
DSP filename is the same!
Begin Boot Code download...
BOOT code filename is the same!
```

Alternatively, visit **Home** page to check the configuration of the phone.



4 Upgrade Via Telnet

Apart from autoprovisioning, Telnet is also available for downloading configuration files, but part of them only. This section will list out some of the commands and procedures for the software upgrade via Telnet.

Things to know:

Software upgrade via Telnet can only support part of the configuration files written into the phone, such as

- APP Firmware via HTTP
- Telephone configuration file
- DSP fw upgrade
- Melodies

Enable Telnet service

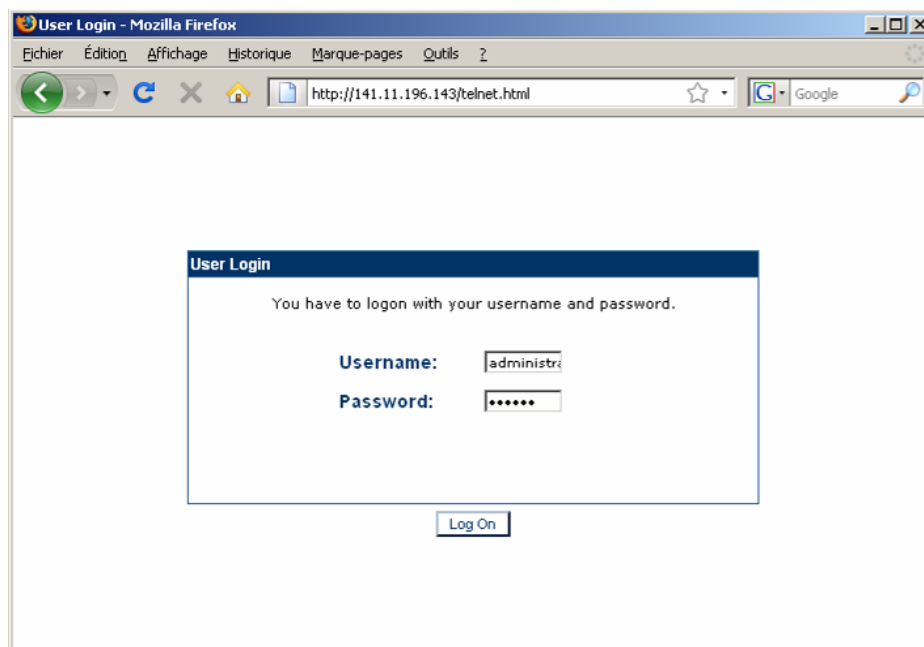
By default, the telnet service is disabled for security reasons. So the Telnet service must be enabled before trying to open a telnet session on the phone.

5.1-1. Enter the following URL on you web browser:

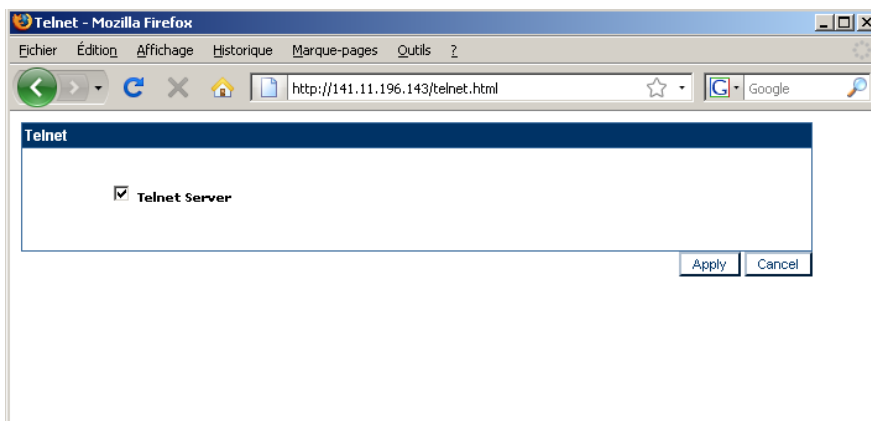
`http://ip_address_of_the_phone/telnet.html`

5.1-2. Then enter the username and password (same as the web interface):

- Username (default): administrator
- Password (default): 784518



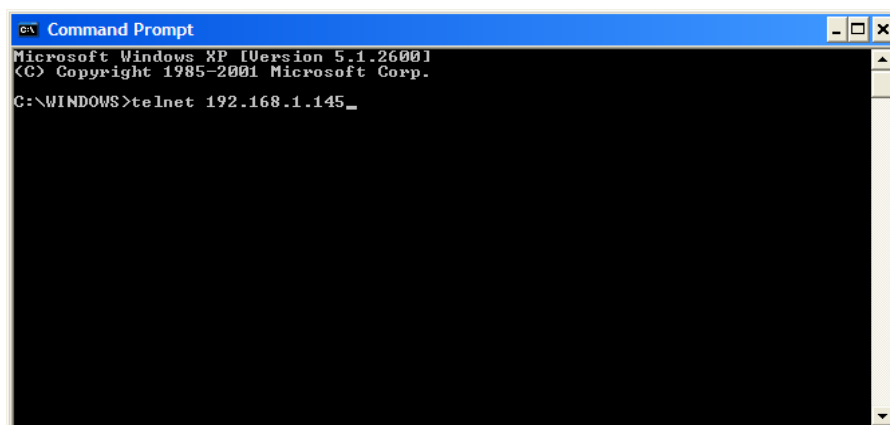
5.1-3. Then check off the Telnet Server to activate it.



Open a Telnet session

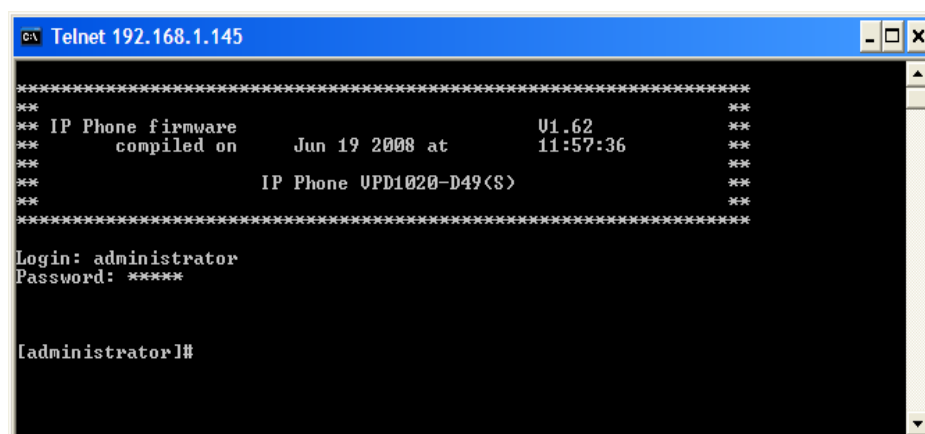
5.1-4. In Windows OS: Click on "Start", select "Execute", type "cmd" then press "Enter"

5.1-5. In the CMD window, type "telnet <ip address>"



5.1-6. Enter the username and password:

- Login (default): administrator
- Password (default): 789234



5.1-7. Before download, TFTP servers must be setup and ready.

- TFTP server:
The root directory should be selected for downloading the set of files in TFTP server.

For example:

TFTP server address: **192.168.1.200**

5.1-8. Below is the table, showing the number of telnet commands required for telnet sw upgrade in sequence.

	Descriptions	Telnet Commands
1	Telnet to IP Phone	
2	Logon to the phone. Enter username and password	
3	APP image upgrade	[administrator]# tftp 192.168.1.200 TB30S.xxxxxx.x.xx.zz
4	DSP fw upgrade	[administrator]#tftp 192.168.1.200 TB30S _xxxxx_dsp.zz
5	Clean telcfg	[administrator]#flash clean nmm
6	Reboot - Trigger phone reboot	[administrator]#reboot now
7	Telephone configuration file	[administrator]#tftp2 telcfg 192.168.1.200 TelConfTB30_ST2030 _xxxxx.txt
8	Melodies	[administrator]#tftp2 melody 192.168.1.200 Tone-Melodies.txt
9	System melodies	[administrator]#tftp2 sys_melody 192.168.1.200 Tone-RG.txt
10	Call waiting melodies	[administrator]#tftp2 cwt_melody 192.168.1.200 Tone-CW.txt
11	Activate- Enable services	[administrator]#Activate
12	Commit - Save settings	[administrator]#commit
13	Commit - Save settings	[administrator]#commit
14	Reboot - Trigger phone reboot	[administrator]#reboot now

Configuration Checking (via telnet)

1	Version - show boot, dsp and FW version	[administrator]#version
2	Info - Show phone info	[administrator]# info

5 Upgrade Via WebGui

Same as the previous one, WebGui is also available for downloading configuration files, but part of them only.

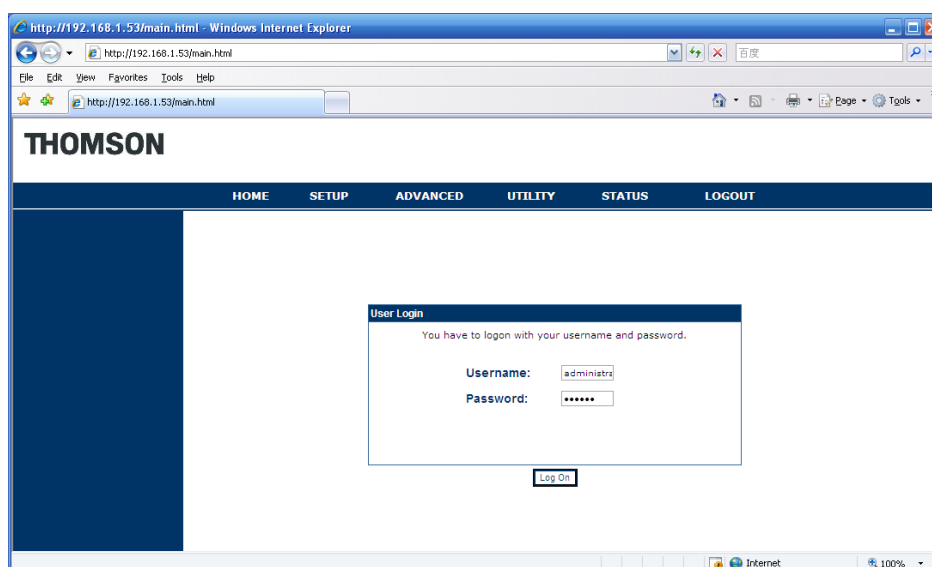
Things to know:

Software upgrade via WebGui can only support part of the configuration files written into the phone, such as

- APP Firmware via HTTP
- Telephone configuration file
- DSP fw upgrade
- Melodies

Logon to the TB30's WebGui

- 6.1-1. Enter the IP address of phone in web browser
- 6.1-2. Enter the **Username** and **Password**
 - Username: administrator (default)
 - Password: 784518 (default)

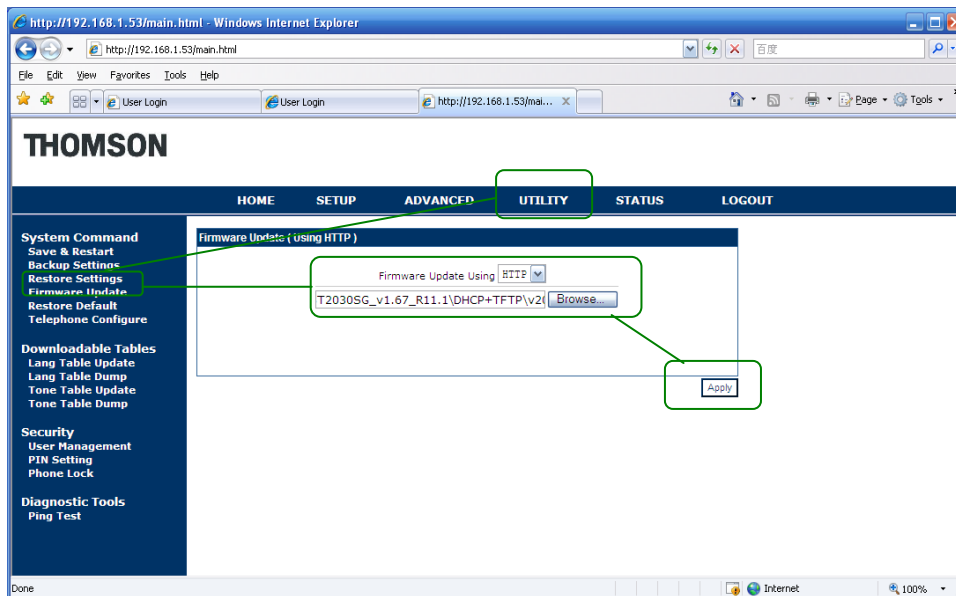


Firmware Image Upgrade

6.1-3. Visit UTILITY → Firmware Update page.

Select "**HTTP**" in pull-down menu. Then, click the **Browse** button to select the Application image file from a directory.

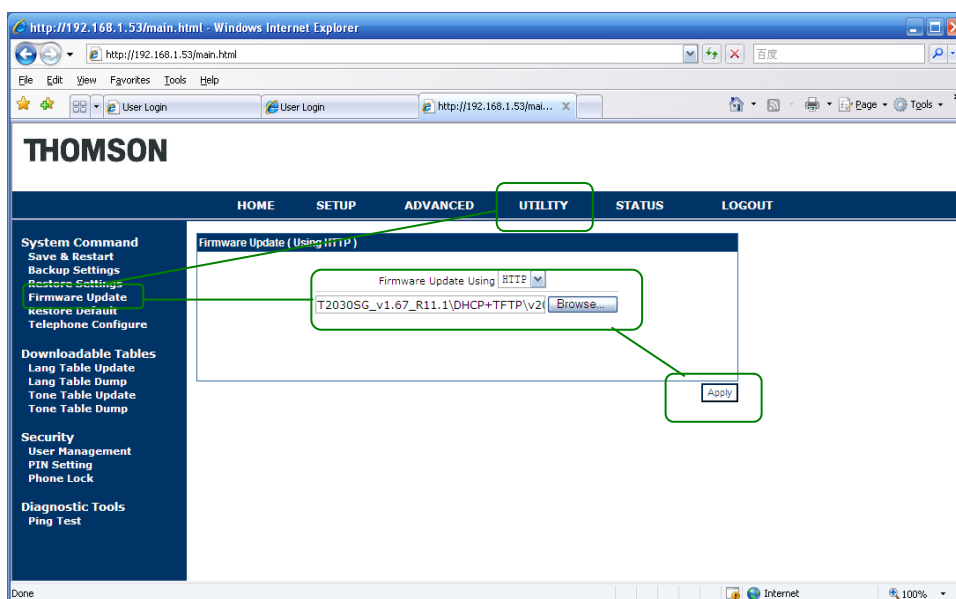
Then, press "**Apply**" → Phone reboot



DSP fw upgrade

6.1-4. Same as before. Visit the UTILITY → Firmware Update. Select "**HTTP**" in pull-down menu. Then, click the **Browse** button to select the dsp fw file from a directory.

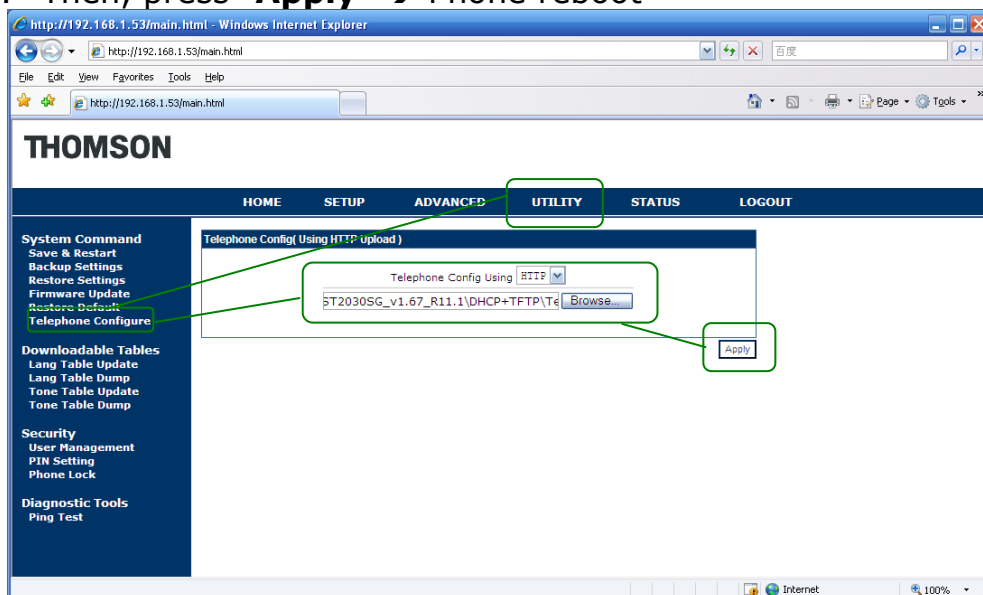
Then, press "**Apply**" → Phone reboot



Telephone configuration upgrade

6.1-5. Visit the UTILITY → Telephone Configure. Select "**HTTP**" in pull-down menu. Then, click the **Browse** button to select the Application image file in a directory.

6.1-6. Then, press "**Apply**" → Phone reboot

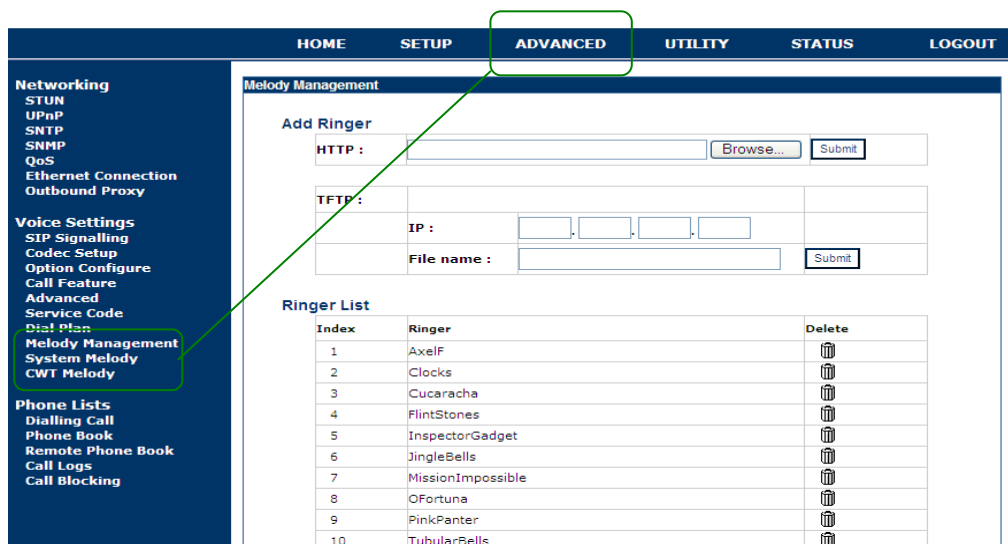


Melodies

6.1-7. Visit the ADVANCED → Melody Management, System Melody, CWT Melody. Select "**HTTP**" and click the **Browse** button to submit the Melody file from a directory.

Press **Submit** to upload the melody file.

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Configuration Checking

Finally, you are recommended to visit **HOME** page to check the configuration of the phone.