



CYBERPHONE WiFi VoIP

User's Guide

DAVISCOMMS

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1. Get Started

1: Standard Package Contents

Please check carefully if you have the items mentioned below:

- 1: WiFi Phone x 01
- 2: USB Charger x 01
- 3: USB Cable x 01
4. Battery x 01
5. User's Manual x 01
6. Lanyard Strap

** Actual contents may vary.*

2: Phone Specifications

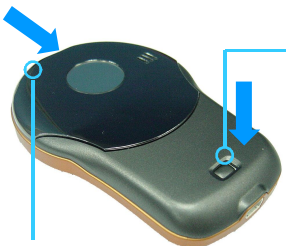
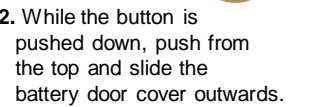
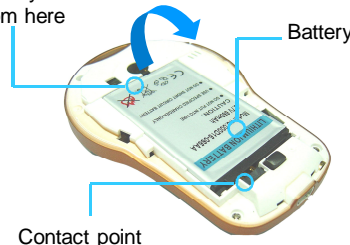
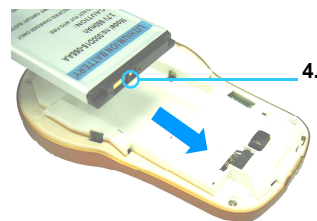

The CYBERPHONE is a 802.11b/g VoIP WiFi SIP Phone.

Dimensions:	96(L) x 65(W) x 16(H) Dimension in mm.
Weight:	65g (without battery) 80g (with battery)
Battery:	650 mAh Li-ion, 3.7v
Charger Input:	100-240v – 50-60Hz 0.2A
Charger Weight:	50g
Charging Time:	3 hours
Standby Time:	48 hours depending on the network
Talking Time:	2 hours depending on the network

3: Phone Description

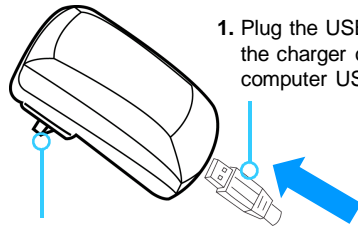


4: Installing and Removing the battery

- 
1. Push and hold the battery door button down.
- 
2. While the button is pushed down, push from the top and slide the battery door cover outwards.
- 
3. To remove, lift the battery out from here
- Battery
- Contact point
- 
4. To install the battery, ensure that the contact points are aligned.
- 
5. Insert the direction shown in the diagram FIRST.
Re-attach the battery door.

* Please refer to page.69 for more information on your battery.

5: Charging the battery



1. Plug the USB cable into the charger or to a computer USB port.

2. Insert the charger into your wall power outlet.



3. Locate the USB port at the bottom of your phone.



4. Plug the other end of the USB cable in and turn on the main power to begin charging

Charging . . .

With the phone **turned on/off**, this Screen will appear when the phone is charging.

OR



This icon will scroll on the idle screen if its **turned on**.

Charging Completed

This screen will appear when the phone's battery charging is completed.

Note: You need to charge the battery for 8 hours for its first time use.

6: Powering the Cyber phone on and off

- To Power ON


Press and hold the (end/off key icon)  for 5 seconds, release and the power up window will be shown.



Fig.1 Power up window

- To Power OFF


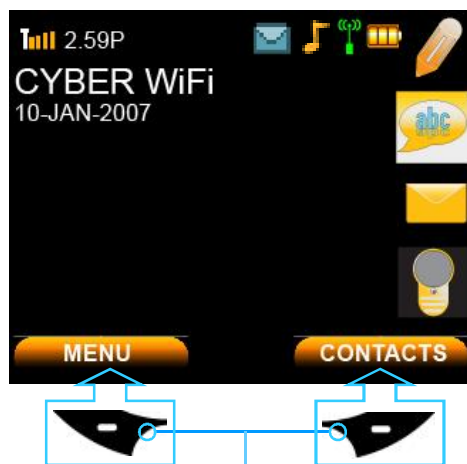
Press and hold the (end/off key icon)  for 3 seconds, release and the power down window will be shown.



Fig.2 Power down window

7: Display indicators and icons

Idle Screen



The roles of the soft keys vary depending on the function you are using. The keys just below selects the functions desired when pressed.

NOTE: If you are disconnected from the signal, the right soft key will automatically change to the "SCAN" selection.



Received signal strength from WiFi access point. (Weak \longleftrightarrow Strong)

2.59P


Time display




Call mute (Un-mute, Mute)



Keypad lock

To lock, press and hold  for 1 second.

To unlock, press and hold  for 1 second.



Message Inbox (new, read, sent, not sent)



Alert type (ring, ring and vibrate, silent, vibrate only)



WiFi connectivity status (refer to pg.12)



Battery level indicator (Weak \longleftrightarrow Strong)



Write Message



Chat Icon



Message Icon



Recent Calls Icon



Soft key function indicators

8. Shortcut Menu

Shortcut menu allows a quick access to the configuration setting menu of your phone.

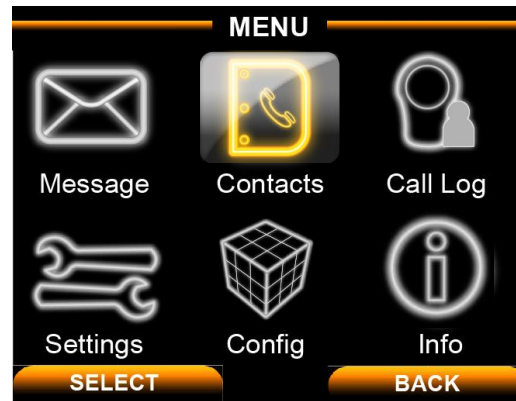
- | | |
|------------------|--|
| Site Scan | : Allows you to scan and join the list of APs available in your network LAN |
| SIP Registration | : Allows you to activate or reconnect your SIP account on the Cyber WiFi phone |
| Reload IP | : This function allows you to request an IP address from a DHCP server |
| Restart WLAN | : This function restarts the phone's wireless connection to the AP. |
| Web Configurator | : This function allows you to configure your phone settings using a web browser. |

System Info

System info provides a summary of the connection details your phone to the network AP.

- | | |
|----------------|--|
| WLAN | : Displays the name of the AP you are connected to. |
| IP address | : Displays the IP address assigned to the phone. |
| User Name | : Displays the User name used for SIP connection. |
| Proxy Server | : Displays the IP address of the proxy server the phone is connected to. |
| Outbound proxy | : Displays the outbound proxy address of the SIP server the phone is connected to. |

9: Main Menu Icons



Individual icons will illuminate when selected. Navigate your way around the icons by moving the joystick. Press the joystick down to select the application.

Message: Use the messages menu to send and receive short messages.

Contacts: Store and find from a list of contacts stored in your contact list.

Call Log: Views the calls you have dialed, received, or missed

Settings: Settings menu provides you with various setting options to customize the phone to your preferences and needs. You can also reset the setting to their default values.

Config: Use this menu to configure the SIP, IP and WLAN settings.

Info: Use this menu to check the information of your SIP, IP, WLAN and General settings.

2. Configuring your phone

1: Important information you should know first

- **Possible ways of communicating using the CYBERPHONE.**

- IP to IP call
- SIP to SIP call

Note: You will need to subscribe with a SIP service provider to make a SIP call.
For reference please refer to www.daviscomms.com.sg

- **Requirements in order to establish a communication on the CYBERPHONE.**

- The phone must be associated to an AP in order to communicate to other WiFi phones.

Note: - Do take note that there are some network security protocols installed on the LAN which you wish to connect to.
- Some require registering the MAC address of the CYBERPHONE in order to allow access to the AP of the network. Under such circumstances, you should seek assistance from your network administrator to register the MAC address of the phone to the server to gain access to the network's AP.

- **Encryption**

- Connecting the CYBERPHONE to wireless LAN area may require an encryption password. You will need this password to gain access to the network in order to associate to the AP you are connecting to.
- Most standard network uses WEP-64 encryption protocol. You would need to consult your network administrator if the network uses other settings.

- **SIP Server connection**

- A SIP connection allows you to communicate to another SIP user via a WiFi phone without having the hassle to remember the full length of the IP address number.

Note: - Before you can connect to a SIP server, it is necessary that you obtain a SIP account. You can also obtain a paid SIP account which provides you communication to a mobile phone number (GSM) or a landline number (PSTN).
For reference please refer to www.daviscomms.com.sg

- **Connectivity Status**

- The connectivity status of your *CYBERPHONE* must be green in order for your phone to make calls. Below is the illustration of the connectivity status of your *CYBERPHONE*.



Red – Not connected to an AP.



Amber – It is connected to an AP but no IP is being assigned.



Green – Connected to an AP and IP is being assigned.

2: Connecting your phone to an AP

Auto Connecting to an AP

Before you proceed to making a call, you will first need the CYBERPHONE to connect to an AP. Your phone will automatically detect and connect to your pre-configured AP on the first power up.

Manually setting up the phone to connect to an AP in your LAN network

Step.1 - From the idle screen, select > **MENU** > **CONFIG** > **WLAN** > **SSID** > **SCAN** within your area, a list of available AP's will appear > scroll and select the AP you wish to connect to, select > **VIEW** > **Select the AP you like to join.**

Step.2 - In the same WLAN settings menu, select > **ENCRYPTION** > scroll and select > **WEP-64**. (Please refer to pg.10, on encryption.)

Step.3 - In the WEP-64 screen, select > **OPEN SYSTEM**> (Please confirm this setting with your Network Administrator.) and select > **KEY 1**.


Step.4 - Input the password encryption of the AP set by your network administrator > when done, select > **OK** > in the WLAN Settings menu, select **ACTIVATE** by pressing the left soft key .



Fig.3 Poor Signal Coverage Screen

Note:-

1.) Wait for the connectivity status bar to turn green. The main screen will display "Connecting AP...." followed by "Connecting IP...." to complete the connection to the network. If the connecting AP disappears and connectivity is still red, retry. If you still have problems, consult your IT administrator for the network details.

2.) In case of WEAK SIGNAL, there will be an alert tone & display showing

Step.5 – Once your phone connectivity status turns green
You should be able to make a call via direct IP to IP.



Fig.4 Calling Screen

3: Connecting your phone to an SIP

Note: - Before you proceed to making a call, you will first need to set up the CYBERPHONE to register to a SIP server connection.
For reference please refer to www.daviscomms.com.sg

Step.1 - From the idle screen, select > **MENU** > **CONFIG** > **SIP** > **USER NAME** > input your user name according to your SIP account details and select > **OK**.


Step.2 - In the same SIP settings menu, select > **PASSWORD** > input your password according to your SIP account details and select > **OK**.

Step.3 - In the same SIP settings menu, select > **PROXY SERVER** > **IP ADDRESS** > key in the address of your SIP server, for example, > **SIPprovider.org** and select > **OK**.

Step.4 - In the Proxy Server settings menu, select > **STATUS** > and select > **ENABLE**.

Step.5 - Go back to the SIP settings menu, select > **OUTBOUND PROXY** > **IP ADDRESS** > key in the IP address of your SIP server, for example, > **SIPprovider.org** and select > **OK**.

Step.6 - In the Outbound Proxy settings menu, select > **STATUS** > and select > **ENABLE**.

Step.7 - Go back to the SIP settings menu, select > **ACTIVATE** by pressing the left soft key .

Note: - After activating, a "Registering SIP..." display will be appear at the Idle screen.
The "Not Registered" sign will disappear on the idle screen to indicate that your CYBERPHONE is connected to your SIP server account.

Step.8 - You are now ready to make a SIP to SIP call via SIP server.

3. Basic Call Functions

1: Making an IP to IP call (via direct IP)


For eg:-

1234567@191.166.123.203


These figures are defined
by the recipient's user name
in the SIP settings.

These figures refers to recipients
FIXED IP number


Note: Please make sure to disable the SIP settings before making an IP to IP call. To do so, please follow the steps below:

Disabling SIP - Go to **MENU > CONFIG > SIP > PROXY SERVER > STATUS > select DISABLE > select BACK > OUTBOUND PROXY > STATUS > select DISABLE > select BACK > ACTIVATE** by pressing the left soft key .

Step.1 - In the idle screen, key in the number, for eg:-
1234567@191.166.123.203

Step.2 - Press  and "calling 1234567@191.166.123.203" will be displayed.

Step.3 - When the call is connected, call timer will be displayed.

Step.4 - To end the call, press the  key.

Note: "@" is keyed by pressing  key twice.

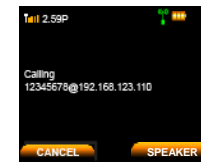


Fig.5 Calling Screen

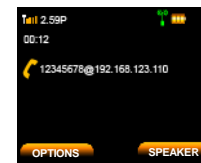


Fig.6 Call timer screen

2: Making a SIP to SIP call (via SIP server)

Note: A user can only call to the other party via the same SIP provider. Please refer to your SIP provider's agreement if you are contacting another person of another SIP provider account.

Do make sure that your SIP settings are activated. (Refer to Pg.14)

For eg:-


31080240

These figures will be the other parties SIP
phone number you wish to dial.

Step.1 - Key in the SIP contact number

Step.2 - Press  and "calling 31080240 will be displayed.

Step.3 - When the call is connected, call timer will be displayed.

Step.4 - To end the call, press the  key.

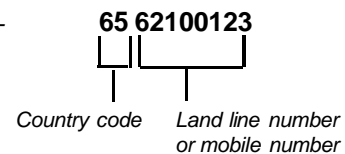
3: Making a call (via SIP server to Landline / GSM Mobile Phone)

Note: You can only call a Landline / GSM Mobile phone line depending on your SIP Server account services.


For reference please refer to www.daviscomms.com.sg

Do make sure that your SIP settings are activated. (Refer to Pg.14)


Note: For eg:-




Step.1 - Key in the number, for eg:- 6562100123

Step.2 - Press  and "calling 6562100123" will be displayed.

Step.3 - When the call is connected, call timer will be displayed.

Step.4 - To end the call, press the  key.

4: Speed dial

- Refer to page.29 for the setting up of speed dial.
- During standby mode, press and hold the preset key for 1 second to display the name and phone number, press left  soft key to call.

5: Answering a call

- Press the  key to answer incoming calls. Call timer will be displayed.

6: Mute/Un-mute a Call

- During a call is answered, click on options> scroll to mute and click select.
To un-mute the call, click on options> scroll to mute and click select.

7: Hold

During a call you can put the other party to hold by clicking on options> scroll to Hold and click select.

8: New Calls

New calls allows you to connect to another user while having one conversations active at the same time.
To create a new call, click on options during a call> scroll to New call > click select> Key in number or select Contacts> click Call



Fig.7 Incoming call screen

9: Rejecting a call




- When there is an incoming call, press the  key to reject the call.
- Number of missed calls will be displayed. Press the left soft  key to view the missed call.



Fig.8 Missed call screen

10: Silencing the incoming ring tone

- When there is a incoming call, press the left  soft key > select **SILENT**.

11: Call waiting



- When another call comes in during a call, it will give a waiting tone.
- To reject the incoming call, press the left  soft key > select **REJECT**.
- To answer, press the .



Fig.9 Hold call screen

12: Conference Call

During a call, click on **OPTIONS** during a call > scroll to **NEW CALL** > click **SELECT** > key in a phone number or select **CONTACTS** > click **CALL** > when third party answers, click **OPTIONS** > and select a phone number.

4. Menu

Menu – (i) Messages

Create	Allows you to create messages and send it to another party.
Inbox and Outbox	Allows to you view, edit and delete the messages.
- Read	Allows you to read the messages.
- Reply	Allows you to reply the messages you read.
- Forward	Allows you to forward the message you read to another party.
- Delete	Allows you to delete the message you select.
- Delete All	Allows you to delete all messages.
Chat	Allows you to create a chat session with another recipient.

(1) Keypad Legends

Press repeatedly to scroll
through various punctuations.

@.¿ 1

ABC 2

DEF 3

GHI 4

JKL 5

MNO 6

PQRS 7

TUV 8

WXYZ 9

↑ *

+ _ 0

- / #

Press repeatedly to scroll
between (. @ :)
Hold to display the symbol table

Press once for SPACE
and LONG PRESS
for "+"

Press once to change between
ABC (uppercase), abc (lowercase)
and 123 (numeric)

Tip:


You can create new messages or check your message inbox by

selecting the  icon or the  icon at the idle screen.

(2) Create

- Select **MENU > MESSAGES > CREATE** > type the message > select **OK** > key in a phone number and select > **OK**. OR select **CONTACTS** to pick an existing contact in your phonebook and send.

Note: You can also select **MESSAGES** from the idle screen by scrolling up or down with the joystick and selecting it by pressing the center of the joystick.

Press the  key to switch the text mode between "ABC", "abc" and "123".

- ABC – Uppercase
- abc – Lowercase
- 123 – Numeric

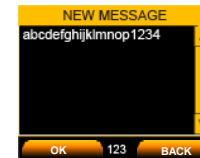



Fig.10 Write Message Screen

(3) Inbox

- Select **MENU > MESSAGE > INBOX**.

Note: You will be notified if there is a new message in your inbox from the idle screen by spotting the  icon at the top of the idle screen.

Note: Messages in the Inbox can be viewed. The arrangement of messages is latest (TOP) to earliest (BOTTOM)

These are the following menus found when you access the **INBOX**.

Inbox: Read

- From the **MESSAGES** menu > Select **INBOX** > Select the message you want to read > press the center of the joystick  to open the message to read.

Inbox: Reply

- From the **MESSAGES** menu > select **INBOX** > select the message you want to reply > **OPTIONS > REPLY**.

Inbox: Forward

- From the **MESSAGES** menu > select **INBOX** > select the message you want to forward > **OPTIONS > FORWARD**.



Fig.11 Delete Message Screen

Inbox: Delete

- From the **MESSAGES** menu > select **INBOX** > select the message you want to delete > **OPTIONS** > **DELETE** > select **YES** to confirm or **NO** to cancel.

Inbox: Delete All

- From the **MESSAGES** menu > select **INBOX** > **OPTIONS** > **DELETE ALL** > select **YES** to confirm or **NO** to cancel.

Note: All messages will be deleted permanently.




Fig.12 Delete All Message Screen

(4) Outbox

- Select **MENU > MESSAGE > OUTBOX >**

Note: Messages in the Inbox can be viewed. The arrangement of messages is latest (TOP) to earliest (BOTTOM).

Outbox: Read

- From the **MESSAGES** menu > Select **OUTBOX** > Select the message you want to read > press the center of the joystick  to read the message.

Outbox: Forward

- From the **MESSAGES** menu > select **OUTBOX** > select the message you want to forward > **OPTIONS > FORWARD**.

Outbox: Delete

- From the **MESSAGES** menu > select **OUTBOX** > select the message you want to delete > **OPTIONS > DELETE** > select **YES** to confirm or **NO** to cancel.

Outbox: Delete All

- From the **MESSAGES** menu > select **OUTBOX > OPTIONS > DELETE ALL** > select **YES** to confirm or **NO** to cancel.

Note: All messages will be deleted permanently.



Fig.13 Delete Message Screen



Fig.14 Delete All Message Screen

(5) Chat

Note: The chat session can function on a IP to IP connection or a SIP to SIP connection.
Please check with your SIP provider if their service support messaging capability.

- Select **MENU > MESSAGES > CHAT**

- Enter the phone number of the recipient which you want the CHAT session to be associated with.

- Contacts can be retrieved from the phonebook. Select **OK**.

- For e.g:- INVITING 12345678 @ xxx.xxx.xxx.xxx will be displayed in the screen.

- Once the chat request has been accepted by the recipient, chat session can take place.

Note: "YOU" Indicates the message you have received.
"I" indicated the message you have sent.



Fig.15 Banner Screen - Chat

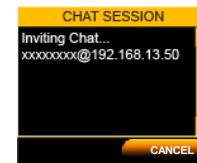


Fig.16 Chat Session Invitation Screen

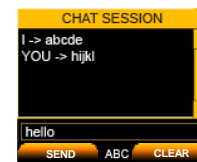


Fig.17 Chat Screen

Menu – (ii) Contacts

Add	Allows you to add a new contact into your contact list.
Edit	Allows to you edit the contact which is stored in your contact list.
Delete	Allows you to delete a contact permanently from your contact list.
Speed Dial	Allows you to set a particular contact to a numeric key on your keypad.
Adding a Contact from Idle Screen	Allows you to add a new contact directly from the idle screen.

(1) Add

To add from Contacts:

- Select **MENU > CONTACTS > OPTION > ADD > (Input name) > OK (Input Phone Number) > OK.**



To add from Call Log:

- Select **Call Log > select either Missed Calls, Incoming Calls or Outgoing Calls > highlight the number, select OPTION > SAVE > (Enter name) > APPLY.**

To add from Idle Screen:

From the idle screen, key in the number of the **CONTACT > click SAVE > Input the name of the Contact > Click OK** once done.

Note: "Replace existing entry?" will be displayed if there is an existing contact.

Note: You can also select  Recent Calls from the idle screen by scrolling up or down with the joystick and selecting it by pressing the center of the joystick .

(2) Edit

- Select **CONTACTS > select the person you want to edit > OPTION > EDIT > enter name > OK > enter number > OK.** to confirm.



Fig.18 CONTACT Selected



Fig.19 CALL LOG Selected




Fig.20 Idle Screen – Call Log


(3) Delete

- Select **CONTACTS** > select the person you want to delete > **OPTION** > **DELETE** > select **YES** to delete or **NO** to cancel.

(4) View Entry

- Select **CONTACT** > select a contact from the list > push joystick button  down to **VIEW**.

(5) Speed Dial

- Select **CONTACTS** > select a contact from the list > **OPTION** > **SPEED DIAL** > **SET**.
- To Unset, scroll to the Key number and press **UNSET**.
- If you have a contact under key.1, in the idle screen, hold the  key and it will dial the contact which you have assigned it with.

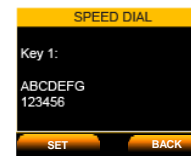


Fig.21 Speed Dial Screen

Menu – (iii) Call Log

Missed Calls
Incoming Calls
Outgoing Calls

Shows you the list of the numbers you have called, received or missed picking up their call. Selecting the particular contact allows you to save the particular contact in your list, delete or delete all contacts.

Recent Calls

Recent Calls

Shows you the summary list of the your outgoing, answered or missed calls.

(1) Missed Calls

- Select **MENU > CALL LOG > MISSED CALLS**.

To Save, Delete or Delete All, select an entry and select **OPTIONS**.

Note: Missed call list will appear from latest (top) to earliest (bottom).

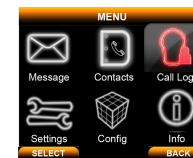


Fig.22 Call Log Selected

(2) Incoming Calls

- Select **MENU > CALL LOG > INCOMING CALLS**.

To Save, Delete or Delete All, select an entry and select **OPTIONS**.

Note: Incoming call list will appear from latest (top) to earliest (bottom).



Fig.23 Missed Call Screen

(3) Outgoing Calls

- Select **MENU > CALL LOG > OUTGOING CALLS**.

To Save, Delete or Delete All, select an entry and select **OPTIONS**.

Note: Outgoing call list will appear from latest (top) to earliest (bottom).

Menu – (iv) Settings

Clock	Allows you change the time, date and its formats.
- Set Time	Allows you to set the time which will be displayed on the idle screen
- Set Date	Allows you to set the date which will be displayed on the idle screen.
- Time Format	Allow you to set the time format to be 12 or 24 hours.
- Date Format	Allows you to set the date format to DD/MM/YY or MM/DD/YY.
Wallpaper	Allows you to change the wallpaper in the idle screen.
Ring Tones	Allows you to change the incoming call ring tones.
Message Tones	Allows you to change the alert tones for incoming messages.
Ring Volume	Allows you to set the ring volume from low to high.
Receiver volume	Allows you to set the volume of your receiver from low to high.
Alert Mode	Allows you to set your alert to Silent, Vibrate, Melody and Melody and Vibrate.
Message View	Allows you to view message list based on contacts or message itself
Brightness	Allows you to view message list based on contacts or message itself

Key Backlight	Allows you to set the keypad light to stay Off, after 10, 20 or 30 seconds.
Auto Key Lock	Allows you set the Auto Key Lock feature to off, 30secs, 1min and 2mins.
Key Tone	Allows you turn the key tone On or Off when the keys are pressed.
DTMF Tone	Allows you to set the DTMF tone to inbound or outbound.
Screen Banner	Allows you to type in a banner message in the idle screen.
Factory Reset	Allows you to set the entire phone back to its original factory settings. The phone will power off automatically.
Software upgrade:	Allows you to update the phone's software of the phone to optimize its performance

(1) Clock**Clock: Set Time**

Format: HH/MM = HOUR/MINUTE

- Select **MENU > SETTINGS > CLOCK > SET TIME >** key in the current time.

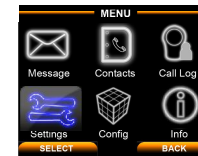


Fig.24 Setting Selected

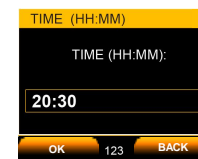


Fig.25 Time Setting Screen

Clock: Set Date

Format: DD/MM/YYYY = DAY / MONTH / YEAR

- Select **MENU > SETTINGS > CLOCK > SET DATE** and key in the current date

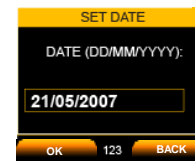


Fig.26 Date Setting Screen

Clock: Time Format

- Select **MENU > SETTINGS > CLOCK > TIME FORMAT** > select either **12 Hour** or **24 Hour** and choose **SELECT**.

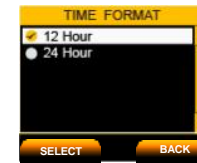


Fig.27 Time Format Setting Screen

Clock: Date Format

- Select **MENU > SETTINGS > CLOCK > DATE FORMAT** > select either **DD / MM / YY** or **MM / DD / YY** and choose **SELECT**.

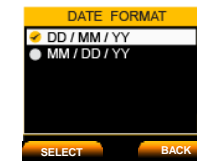


Fig.28 Date Format Setting Screen

(2) Wallpaper

- Select **MENU > SETTINGS > WALLPAPER** > select the wallpapers of your preference by scrolling the joystick in any direction, and choose **SELECT**.

(3) Ring Tones


- Select **MENU > SETTINGS > RING TONES** > select the ring tone of your preference by scrolling the joystick up or down , a preview of the ring tone you choose will be played. Choose **SELECT** to set.



Fig.29 Ring Tone Setting Screen

(4) Message Tones


- Select **MENU > SETTINGS > MESSAGE TONES** > select the ring tone of your preference by scrolling the joystick up or down , a preview of the message tone you choose will be played. Choose **SELECT** to set.



Fig.30 Message Tone Setting Screen

(5) Ring Volume

- Select **MENU > SETTINGS > RING VOLUME** > increase or decrease the volume by scrolling either direction of the joystick > choose **SELECT** to set.



Fig.31 Ring Volume Setting Screen


(6) Receiver Volume

- Select **MENU > SETTINGS > RECEIVER VOLUME** > increase or decrease the volume by scrolling either direction of the joystick > choose **SELECT** to set.



Fig.32 Receiver Volume Setting Screen

(7) Alert Mode

- Select **MENU > SETTINGS > ALERT MODE >** select the alert mode of your preference by scrolling the joystick up or down  choose **SELECT** to set.

Note: The following alert icons will appear on the idle screen depending on your selection.

Ring Only:



Vibrate Only:



Ring and Vibrate:



Silent:



Fig.33 Alert Mode Setting Screen

(8) Message View

- Select **MENU > SETTINGS > MESSAGE VIEW >** to view message through


Search name or Message itself. choose **SELECT** to set.



Fig.34 Message View Screen

(9) Brightness

- Select **MENU > SETTINGS > BRIGHTNESS >** select the intensity of

your preference by scrolling the joystick up or down .

choose **SELECT** to set.

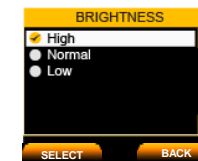



Fig.35 Key Backlight Setting Screen

(10) Key Backlight

- Select **MENU > SETTINGS > KEY BACKLIGHT** > select the backlight timer of your preference by scrolling the joystick up or down , choose **SELECT** to set.

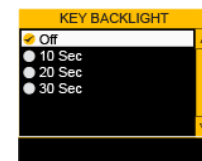


Fig.36 Key Backlight Setting Screen

(11) Auto Key Lock


- Select **MENU > SETTINGS > AUTO KEY LOCK** > select the key lock timer of your preference by scrolling the joystick up or down . Choose **SELECT** to set.



Fig.37 Key Lock Setting Screen

(12) Key Tone

- Select **MENU > SETTINGS > KEY TONE** > select **ON** or **OFF** > choose **SELECT** to set.

(13) DTMF Tone

- Select **MENU > SETTINGS > DTMF TONE** > select **INBAND**, **OUTBAND (Sip Info)** or **OUTBAND (RFC 2833)** > choose **SELECT** to set.

Note: DTMF (Dual Tone Multiple Frequency)



Fig.38 DTMF tone setting

(14) Screen Banner

- Select **MENU > SETTINGS > SCREEN BANNER** > key in your message, > choose **OK** to set.

Note: You can input up to a maximum of 12 Characters.



Fig.39 Banner Message at Idle Screen

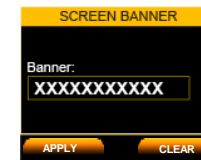


Fig.40 Banner Message

(15) Factory Reset

- Select **MENU > SETTINGS > FACTORY RESET** > choose **YES** to reset, or **NO** to cancel.

Note: The phone will reboot and turn off.



Fig.41 Factory Reset Screen

(16) Software Upgrade

Software Upgrade - TFTP Server

Note: During the Software upgrading, in your computer, make sure that under **CONTROL PANEL > NETWORK CONNECTION**, the Local Area Connection of the CYBERPHONE is present. Please also take note of the IP address at the startup screen. You should only start your TFTP program after this.

Important: **Do not disconnect the phone from the PC while it is in firmware upgrading progress. Doing so will permanently damage the phone.**

- To upgrade to the latest software, key in the service provider's IP address and the software will be upgraded. To do so:

Step:1 - Insert USB cable to the phone

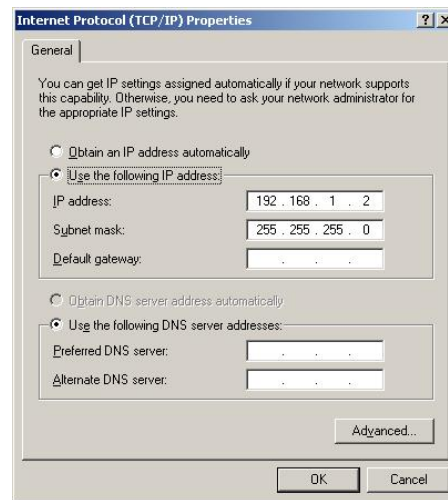
Step:2 - In the CYBERPHONE, go to > **MENU > SETTINGS > SOFTWARE UPGRADE > TFTP SERVER >** key in the IP address for e.g:- > **192.168.1.2 > OK >** windows XP should prompt you for installation of the USB driver.

Note: The IP address you enter in the TFTP server is the address where you wish to download the image file from.

Step:3 - Install the driver using "athenac902.sys" which is provided on the DAVISCOMMS website at:
www.daviscomms.com.sg

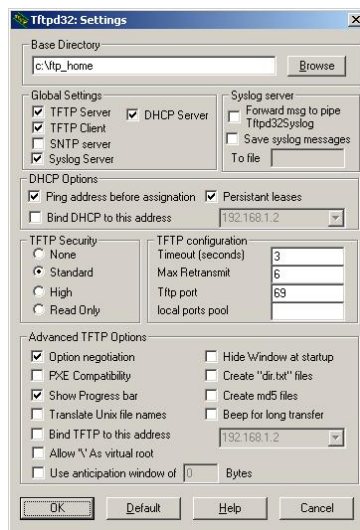
Step:4 - In your computer, under **CONTROL PANEL > NETWORK CONNECTIONS**, a new Local Area Connection should appear.

Step:5 - Configure the new Local Area Connection and set the IP settings to the following:



Step:6 – Download and install TFTP program from http://tftp32.jounin.net/tftp32_download.html

Step:7 - After installation, set the settings of the TFTP program to be:



Downloading image
file...

Step:8 - On the CYBERPHONE, in the FIRMWARE UPGRADE menu, choose the appropriate software part (upgrade firmware, upgrade web config or upgrade bootloader) you want to upgrade. Once you choose an option, the phone will start to download the file.

Fig.42 Image Downloading Screen

Step:9 - After downloading the file, the phone will install the required file.

Step:10 - When the phone has successfully installed the file, the phone will display a screen to inform you that the firmware upgrade is completed.

Step:11 - Press and hold the Power  key for 3 seconds and release. The new firmware should have been installed.

Note: *If there is an error during the firmware upgrading, an error screen will appear. If the error screen appears at Step 8, shut down the phone and restart it, then, go through the entire steps again.*

Upgrading section	Error responses from phone	Steps to proceed
Firmware Upgrade, Web config and Boot loader	Error! Please press power key to reboot the phone.	Press power key to shut down the phone and repeat steps
Firmware Upgrade, Web config and Boot loader	Checksum Error! Please send the phone for servicing.	Firmware has been corrupted. Send to service centre for technical assistance.



Fig.43 Image Installing Screen



Fig.44 Upgrade Completed Screen

Fig.43 Phone Error Response Table

Menu – (v) Configuration

The **Session Initiation Protocol (SIP)** is an application-layer control (signaling) protocol for creating, modifying, and terminating sessions with one or more participants.

Display Name	Allows you to key in the user name for display purposes.
User Name	Allows you to key in the user name of you SIP account.
Passwords	Allows you to key in the password of your SIP account.
Proxy Server	Allows you to request a server which services the requests of its clients by making requests to other servers.
- IP Address	Allows you to key in the IP Address of your SIP provider.
- Status	Allows you to enable or disable the proxy server
- Registration Time	Allows you to key in a time for the proxy server to re-register itself again.
Outbound Proxy	Allow you to make/receive call when the phone is behind NAT firewall.
STUN Server	Allow you to make/receive call when the phone is behind NAT firewall.
SIP Keep Alive	Allow you to maintain SIP server connection when the phone is behind NAT firewall.
Audio Codec	Allows you to select the preferred codec to be used for the call session

(1) SIP Settings

Note: To change the settings, press the center of the joystick. To activate, press the left soft key.

Note: You have to configure both SIP Proxy Server settings and Outbound Proxy server settings. Please refer to your SIP service provider for your account details. For reference please refer to www.daviscomms.com.sg

Step.1 - Select **MENU > CONFIG > SIP SETTINGS > DISPLAY NAME >** for eg:- key in **User >** select **OK**.

Step.2 - In the same SIP settings menu, select **> USER NAME >** for eg:- key in **Cyber >** select **OK**.

Note: Space are NOT allowed in USER NAME

Step.3 - In the same SIP settings menu, select **> PASSWORDS >** for eg:- key in **XXXXXXXX >** select **OK**.

Step.4 - In the same SIP settings menu **> PROXY SERVER > IP ADDRESS >** for eg:- key in **202.155.130.68 >** select **OK**.

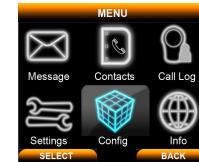


Fig.45 Config Selected



Fig.46 Spacing Error Screen

Step.5 - In the Proxy Server menu > **STATUS** > select **ENABLE**.

Step.6 – In Proxy Server menu > **REGISTRATION TIME** > for eg:-
key in **3600** > select **OK**.

Step.7 - In the same SIP settings menu > **OUTBOUND PROXY** > **IP ADDRESS** >
for eg:- key in **192.168.2.1** > select **OK**.



Fig.47 IP Address Screen

Note: The outbound proxy server is the address and port that your phone uses to connect to a SIP server, where there may be NAT routers that do not support the SIP protocol. If your SIP Service Provider gave you an outbound proxy server address and port, then enter them here.

Step.8 - In OUTBOUND PROXY menu > **STATUS** > for eg:-
choose **ENABLE** and select it.

Note: This has to be enabled in order to make a SIP call.

Step.9 - In the same SIP settings menu > **STUN SERVER** > **IP ADDRESS** >
for eg:- key in **stun.fwdnet.net** > select **OK**.

Step.10 - In the STUN SERVER menu > **STATUS** > for eg:- choose **ENABLE**
and select it.

Step.11 - In the same SIP settings menu > **SIP KEEP ALIVE** >
Key in the SIP KEEP ALIVE time for eg:- 20Seconds
and choose **ENABLE** and select it.

Note: This is to overcome the NAT barrier so that the phone is
contactable by a previously contacted external party.

Step.12 - Return to SIP SETTINGS menu > **AUDIO CODEC** > for eg:-
choose G711-A and select it.

Step.13 – After the configuration, select > **ACTIVATE**.

Note: This is a program capable of performing encoding
and decoding a voice package.

Note: STUN = Simple Transversal of UDP (User Datagram Protocol)
through NATs (Network Address Translators).

TIP: Enter either the IP address of your SIP server or the URL domain name as given to you by your
Internet Telephony Service Provider.



Fig.48 Audio Codec Screen

(2) IP Settings

Internet Protocol (IP) is a data-oriented protocol used for communicating data across a packet-switched network.

DHCP	DHCP (Dynamic Host Control Protocol) is a set of rules used by communications devices such as a computer, router or network adapter to allow the device to request and obtain an IP address from a server which has a list of addresses available for assignment.
Fixed IP Setup	
- IP Address	Allows you to key in your fixed IP Address of a network.
- Subnet Mask	Allows you to key in an address code which determines the size of the network.
- Default Gateway	Allows you to key in an address which forwards internet traffic from your local area network.
- Primary DNS	Allows you to key in the IP Address of your DNS, which can be obtained from your network administrator.
- Secondary DNS	Allows you to key in a secondary DNS.

(2) IP Settings**IP Settings: DHCP Settings**

Step.1 - Select **MENU > CONFIG > IP SETTINGS > DHCP** > select **ENABLE**.

IP Settings: Fixed IP Settings

Note: With this option you have to manually enter an IP address, subnet mask and gateway IP address. These are given to you by the network administrator.

Follow the procedure below to do this. Only when the DHCP is disabled, can the IP option be available. **“Not available while DHCP is enabled”** will be displayed if DHCP is enabled.

Step.1 - Select **MENU > CONFIG > IP SETTINGS > DHCP** > select **DISABLE**.

Step.2 - In IP SETTINGS menu > **FIXED IP SETUP > IP ADDRESS** > for eg:- key in **192.168.123.204** > select **OK**.

Step.3 - In FIXED IP SETUP menu > **SUBNET MASK** > for eg:- key in **255.255.255.0** > select **OK**.

Step.4 - In FIXED IP menu > **DEFAULT GATEWAY** > for eg:- key in **192.168.123.254** > select **OK**.

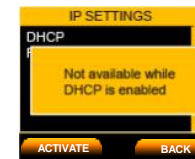


Fig.49 DHCP Notice Screen

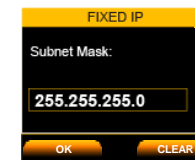


Fig.50 Subnet Mask Screen

Step.5 - In FIXED IP menu > **PRIMARY DNS** > for eg:-
key in **165.21.83.88** > select **OK**.

Step.6 - In FIXED IP menu > **SECONDARY DNS** > for eg:-
key in **165.21.100.88** > select **OK**.

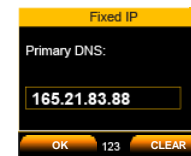


Fig.51 DNS Input Screen

(3) WLAN Settings

WLAN is a wireless local area network, which is the linking of two or more peripherals without using wires. WLAN utilizes spread-spectrum or OFDM Modulation technology based on radio waves to enable communication between devices in a limited area, also known as the basic service set. This gives users the mobility to move around within a broad coverage area and still be connected to the network.

SSID	Allows you to key in AP name manually or scan the AP list found on your network
Encryption	Allows you to choose the type of encryption of the AP you wish to associate with.
Transmit Rate	Transmit rate is the data exchange between the AP and the client. Auto (recommended) adapts to the transfer rate to the current AP in your area.
Auto Roam	Allows you to set your phone to roam to other profiles when you are disconnected from your current profile.

Step.1 - Select **MENU > CONFIG > WLAN > SSID > SCAN** and a list of available AP's will be displayed > select > **VIEW** on the selected AP you wish to connect> **SELECT> OK**.



Fig.52 WLAN Scanning Screen



Fig.53 AP List Screen

Step.2 - In the same WLAN settings menu > **ENCRYPTION** > select the suitable security setting. For eg: -

- None
- WEP-64 *
- WEP-128
- WEP-TKIP
- WEP-AES

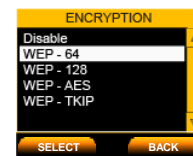


Fig.54 Key Save Screen

Note: Choose the type of encryption and key with reference from your IT administrator.

Step.3 - After selecting a security key type > Select Open system
> choose **KEY 1** > enter the KEY > click **OK**.

Note: If the KEY you have input is too short, a warning message will appear.

WLAN: Transmit Rate

- In the same WLAN settings menu > **TRANSMIT RATE** > for eg: -
select **AUTO**.

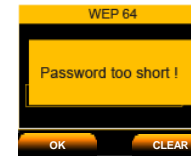


Fig.55 Warning Screen

WLAN: Auto Roam

To Auto Roam on a SP Profile

- Go to > **MENU** > **CONFIG** > **WLAN** > **AUTO ROAM** > **AP PROFILE** > select a **SSID** (*edit a SSID account*) > **OPTIONS** > **JOIN**.

To Edit a SSID Profile

- In the same Auto Roam settings menu > **AP PROFILE** > select a **SSID** > **OPTIONS** > **EDIT** > key in a SSID > select a security setting.

To Delete a SSID Profile

- In the same Auto Roam settings menu > **AP PROFILE** > select a **SSID** > **OPTIONS** > **DELETE**.

To Delete all SSID Profiles

- In the same Auto Roam settings menu > **AP PROFILE** > select a **SSID** > **OPTIONS** > **DELETE**.

To enable Auto Roam

- In the same Auto Roam settings menu > **STATUS** > select **ENABLE**.

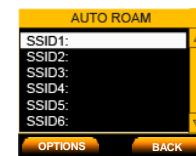


Fig.56 Auto Roam Screen

Menu – (vi) Information

Information section provides the relevant information of the SIP, IP, WLAN and General settings.

(1) SIP Information

- Select **MENU > INFO > select SIP** and choose **SELECT** to view its information.

(2) IP Information

- Select **MENU > INFO > select IP** to view your current connection details.

(3) WLAN Information

- Select **MENU > INFO > select WLAN** and choose **SELECT** to view its information.

(4) General Information

- Select **MENU > INFO > select GENERAL** and choose **SELECT** to view its information.

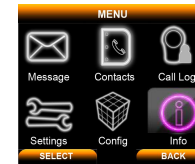


Fig.57 Info Selected

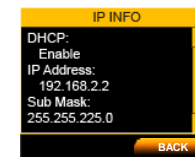




Fig.58 IP Information Screen

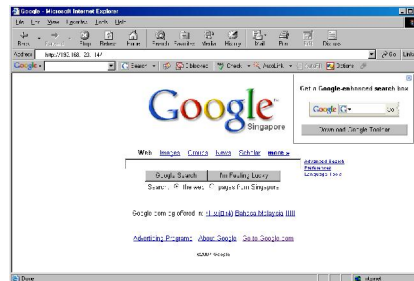
5. Web Configurator

The Web configurator is a special shortcut function of the phone where it allows the user to update or edit the phones settings via a web browser on their PC.


Step 1 - Left click  on the joystick to System info and retrieve IP address assign to the Cyber phone.

Step 2 - Right click  on joystick > scroll and select > **WEB CONFIGURATOR**.

Step 3 - Open a web browser in your PC and key in the IP address found on your Cyber phone from step 1 e.g. <http://192.168.123.114>



Step 4 - Enter "user" in User Name and key in "1234" as Password. Click Ok.



The dialog box titled "Enter Network Password" contains the following elements:

- A yellow key icon with a blue padlock.
- The text: "Please type your user name and password."
- Site: 192.168.123.114
- Realm: www.daviscomms.com.sg
- User Name: user
- Password: xxxx
- ☐ Save this password in your password list
- OK button
- Cancel button

Step 5 - Your web browser will display the page as shown below under General Information

The screenshot shows the 'General Information' page of the DAVISCOMMS CYBER WF802.G Web Configurator. The page has a dark blue header with the DAVISCOMMS logo and the title 'CYBER WF802.G Web Configurator' with the URL 'www.daviscomms.com.sg'. A left sidebar contains a menu with options: General Information, Contacts, Phone Settings, SIP Settings, IP Settings, WLAN Settings, Import/Export, and a System Reset button. The main content area is titled 'General Information' and contains a table with the following data:

General Information	
Firmware Version	
Configurator Version	1.2.18
Serial Number	
MAC Address	

At the bottom of the page, a dark blue footer contains the text: 'Copyright © 2007 DAVISCOMMS (S) PTE. LTD. All Rights Reserved.'

Step 6 - Under general information it contains software details of your phone. Your web browser will display the page as shown below under Contacts.

The screenshot displays the 'CYBER WF802.G Web Configurator' interface. On the left is a navigation menu with options: General Information, Contacts, Phone Settings, SIP Settings, PBX Settings, WLAN Settings, Import/Export, and System Reset. The 'Contacts' section is active, showing a form with fields for S/N, Name, Number, and Speed Dial. Below these fields are buttons for 'Add', 'Edit', 'Delete', and 'Delete All'. A table with columns S/N, Name, Number, and Speed Dial is also visible. A note at the bottom states: 'Note: The device needs to reboot in order for the changes to take effect. Please press the "System Reset" button and then power up the device manually.'

S/N	Name	Number	Speed Dial
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="None"/>

S/N	Name	Number	Speed Dial
-----	------	--------	------------

This page allows you to view/add/edit/delete a contact to/from your phone.

Step 7 - Your web browser will display the page as shown below under Phone Settings.

The screenshot shows a web browser window titled "CYBER WF802.G Web Configurator - Microsoft Internet Explorer". The address bar shows "http://192.168.123.20/phonesettings.html". The page has a red header with the DavisComms logo and the title "CYBER WF802.G Web Configurator". On the left is a navigation menu with options: General Information, Contacts, Phone Settings (selected), SIP Settings, IP Settings, WLAN Settings, Import/Export, and a System Reset button. The main content area is titled "Phone Settings" and contains various configuration options:

- Screen Banner (12 chars): CYBER WIFI
- Time (HH MM): 23 : 48
- Date (DD/MM/YYYY): 03 / 01 / 2007
- Time Format: ☐ 12H ☒ 24H
- Date Format: ☒ DD/MM/YY ☐ MM/DD/YY
- Wallpaper: Image 1 (dropdown)
- Ring Tones: Melody 1 (dropdown)
- Message Tones: Alert 1 (dropdown)
- Ring Volume: Volume 5 (dropdown)
- Receiver Volume: Volume 5 (dropdown)
- Alert Mode: Ring Only (dropdown)
- Message View: ☐ Name ☒ Message
- Brightness: Normal (dropdown)
- Key Backlight: 30 Seconds (dropdown)
- Auto Key Lock: OFF (dropdown)
- Key Tone: ☒ Off ☐ On
- DTMF Tone: ☐ Inband ☐ Outband (SIP Info) ☒ Outband (RFC 2833)

At the bottom are "Submit" and "Cancel" buttons. A red note states: "Note: The device needs to reboot in order for the changes to take effect. Please press the 'System Reset' button and then power up the device manually." The footer says "Copyright © 2007 DAVISCOMMS (S) PTE LTD. All Rights Reserved."

This page allows you to configure the phone settings

Step 8 - Your web browser will display the page as shown below under SIP Settings.

The screenshot shows a web browser window titled "CYBER WF802.G Web Configurator - Microsoft Internet Explorer". The address bar shows "http://192.168.123.20/sipconf.html". The page header includes the DAVISCOMMS logo and "CYBER WF802.G Web Configurator" with the URL "www.daviscomms.com.sg".

On the left is a navigation menu with the following items: General Information, Contacts, Phone Settings, SIP Settings (highlighted), IP Settings, WLAN Settings, Import/Export, and a System Reset button.

The main content area is titled "SIP Settings" and contains the following sections:

- User Account**
 - Display Name: [text box]
 - User Name: [text box]
 - User Password: [password field]
- Proxy Server**
 - Status: ☐ Disable ☒ Enable
 - IP Address: [text box]
 - Reg. Time (sec): [text box with value 600]
- Outbound Proxy**
 - Status: ☐ Disable ☒ Enable
 - IP Address: [text box]
- STUN Server**
 - Status: ☒ Disable ☐ Enable
 - IP Address: [text box]
- SIP Keep Alive**
 - Status: ☐ Disable ☒ Enable
 - Time (sec): [text box with value 20]
- Audio Codec**
 - Dropdown menu showing "G.729a"

At the bottom are "Submit" and "Cancel" buttons. A small note at the very bottom states: "Note: The device needs to reboot in order for the changes to take effect. Please press the 'System Reset' button and then power up the device manually." Below the note is a copyright notice: "Copyright © 2007 DAVISCOMMS (S) PTE. LTD. All Rights Reserved."

This page allows you to configure your SIP account settings to the phone, to register to a SIP server.

Step 9 - Your web browser will display the page as shown below under IP Settings.

The screenshot shows the 'IP Settings' page of the DAVISCOMMS CYBER WF802.G Web Configurator. The page has a dark sidebar on the left with a menu: General Information, Contacts, Phone Settings, SIP Settings, IP Settings (highlighted), WLAN Settings, and Import/Export. Below the menu is a 'System Reset' button. The main content area is titled 'IP Settings' and includes a sub-section 'IP Assignment' with radio buttons for 'DHCP' (selected) and 'Fixed IP'. Below this, there are input fields for 'IP Settings': IP Address (192.168.123.20), Subnet Mask (255.255.255.0), Default Gateway (192.168.123.254), Primary DNS (165.21.83.88), and Secondary DNS (192.168.123.252). At the bottom of the form are 'Submit' and 'Cancel' buttons. A 'Notes' section at the bottom states: 'The device needs to reboot in order for the changes to take effect. Please press the "System Reset" button and then power up the device manually.' The footer of the page reads: 'Copyright © 2007 DAVISCOMMS (S) PTE LTD. All Rights Reserved.'

This page allows you to configure a fixed IP setting or set a DCHP setting to automatically assign an IP address for the phone to connect to the AP of the LAN.

Step 10 - Your web browser will display the page as shown below under WLAN Settings.

The screenshot shows a web browser window titled "CYBER WF802.G Web Configurator - Microsoft Internet Explorer". The address bar shows "http://192.168.123.20/vlanMainProfile.html". The page header includes the DAVISCOMMS logo and the title "CYBER WF802.G Web Configurator" with the URL "www.daviscomms.com.sg".

On the left side, there is a navigation menu with the following options: General Information, Contacts, Phone Settings, SIP Settings, IP Settings, WLAN Settings (selected), and Import/Export. Below the menu is a "System Reset" button.

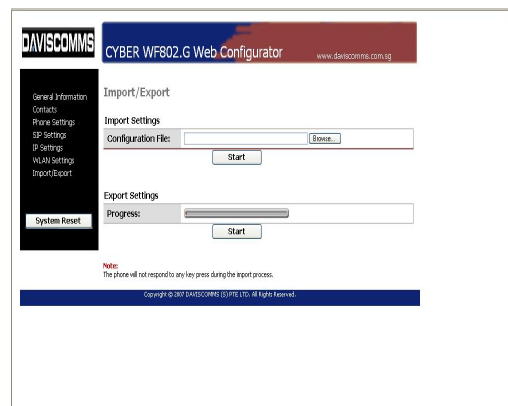
The main content area is titled "WLAN Settings". It contains the following sections:

- AP Profile:** Radio buttons for Main Profile, Profile 1, Profile 2, Profile 3, Profile 4, and Profile 5. Profile 1 is selected.
- SSID:** A text input field containing "linksys".
- Channel (1 - 14):** A dropdown menu showing "11".
- Transmit Rate:** A dropdown menu showing "Auto".
- Encryption:** A dropdown menu showing "WEP-64".
- Authentication:** A dropdown menu showing "Open System".
- WEP Key:** A dropdown menu showing "Key 1".
- Auto Roam:** Radio buttons for Disable (selected) and Enable.
- Wireless Mode:** A dropdown menu showing "Infrastructure".
- WPA Encryption:** A section with a "Password (min 8 chars)" input field.
- WEP-64 Encryption:** A section with four "Key" input fields (Key 1 to Key 4), each with a "(10 Hex Digits)" label.
- WEP-128 Encryption:** A section with four "Key" input fields (Key 1 to Key 4), each with a "(26 Hex Digits)" label.
- Buttons:** "Delete Profile", "Submit", and "Cancel".

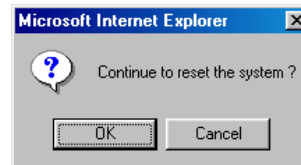
At the bottom, there is a "Note:" stating: "The device needs to reboot in order for the changes to take effect. Please press the 'System Reset' button and then power up the device manually." Below the note is a copyright notice: "Copyright © 2007 DAVISCOMMS (S) PTE LTD. All Rights Reserved."

This page allows you to set the AP details you require the phone to connect to.

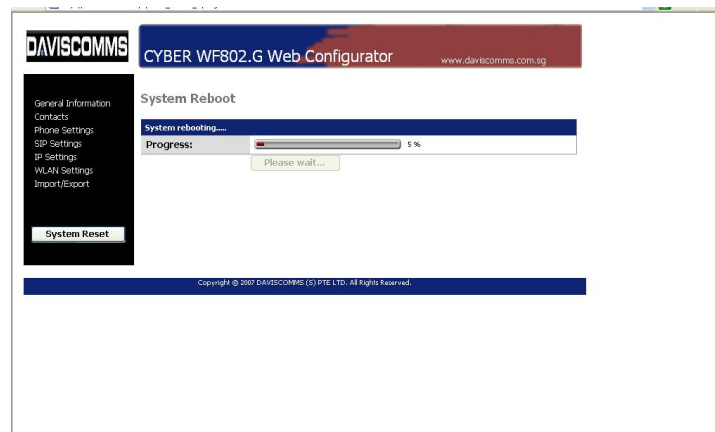
Step 11 - Your web browser will display the page as shown below under IMPORT / EXPORT



Step 12 - Click on System Reset once you have finalized the settings to complete the web configuration procedure



Step 13 - After clicking OK to reset the page will display as shown below



After the progress has completed, the program will trigger your phone to switch off automatically.

Step 14 - Turn on your phone again to connect to the AP of your LAN.

Your phone will connect according to the settings you have configured in web configuration.

6. Glossary

AP (Access Point) - A device that connects wireless communication devices together to form a wireless network.

SIP (Session Initiation Protocol) - A application-layer control protocol for creating, modifying, and terminating sessions with one or more participants. These sessions include internet telephone calls, multimedia distribution and multimedia conferences.

DNS (Domain Name Server) - The IP address of your ISP's server, which translates the names of websites into IP addresses.

Encryption - Encoding data transmitted in a network.

Firmware - The programming code that runs a networking device.

Gateway - A device that interconnects networks with different, incompatible communications protocols.

IP (Internet Protocol) A protocol used to send data over a network.

IP Address - The address used to identify a computer or device on a network.

ISP (Internet Service Provider) - A company that provides access to the internet.

MAC (Media Access Control) - The unique address that a manufacturer assigns to each networking device.

Outbound Proxy Server - A proxy that receives requests from a client, even though it may not be the server resolved by the request - URL.

ROAMING - The ability to take a wireless device from the range of one access to another without losing the connection.

SSID (Service Set Identifier) - Your wireless network's name.

STUN Server - Simple Traversal of UDP (User Datagram Protocol) through NATs (Network Address Translators) is a network protocol allowing a client behind a NAT to find out its public address, the type of NAT it is behind and the internet side port associated by the NAT with a particular local port. This information is used to set up a communication between two hosts that are both behind NAT routers.

Subnet Mask - An address code that determines the size of the network.

WEP (Wired Equivalent Privacy) - A method of encrypting network data transmitted on a wireless network for greater security.

WLAN (Wireless Local Area Network) - A group of computers and associated devices that communicate with each other wirelessly.

7. Health and Safety Information

Read these simple guidelines. Failure to comply may be dangerous or illegal.



SWITCH ON SAFELY Do not switch the phone on when wireless phone use is prohibited or when it may cause interference or danger.



ROAD SAFETY COMES FIRST Obey all local laws. Always free your hands to operate the vehicle while driving. Your first consideration while driving should be road safety.



INTERFERENCE All wireless phones may be subject to interference. Switch the phone off near medical equipment.



SWITCH OFF IN HOSPITALS Follow all restrictions. Switch the phone off near medical equipment.



SWITCH OFF IN AIRCRAFT Follow any restrictions. Wireless devices can cause interference in aircraft.



SWITCH OFF WHEN REFUELLING Do not use the phone at a refueling point. Do not use near fuel or chemicals.



QUALIFIED SERVICE

Only qualified personnel may install or repair this product.



WATER-RESISTANCE

Your phone is not water-resistant. Keep it dry.



ENHANCEMENT AND BATTERIES

Use only approved enhancements and batteries. Do not connect incompatible products.

Road Safety

- Your wireless phone gives you the powerful ability to communicate by voice, anywhere and anytime. But an important responsibility accompanies the benefits of wireless phones, one that every user must uphold.
- When driving a car, driving is your first responsibility. When using your wireless phone while driving, follow local regulations in the country or region you are in.

Hearing Aids

- Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may wish to consult your hearing aid manufacturer to discuss alternatives.

Potentially Explosive Environments

- Switch off your phone when in any area with a potentially explosive atmosphere, and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.
- Areas with a potentially explosive atmosphere are often but not always clearly marked. They include the areas below decks on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas, such as propane or butane, areas where the air contains chemicals or particles, such as grain, dust or metal powders, and any other area where you would normally be advised to turn off your vehicle engine.

Precautions when using batteries

- Never use a charger or battery that is damaged in any way.
- Use the battery only for its intended purpose.
- Storing the battery above 45 degrees Celsius (113 degree Fahrenheit) is not recommended.
- Battery charging time depends on the remaining battery charge, the type of battery, and the charger used. The battery can be charged and discharged hundreds of times, but will gradually wear out. When the operation time is noticeably shorter than normal, it is time to buy a new battery.
- Use only approved batteries, and recharge your battery only with approved chargers. Disconnect the charger from the power source when it is not in use. Do not leave the battery connected to a charger for more than a week, since over charging may shorten its life.
- Extreme temperatures will affect the charging capacity of your battery: it may require cooling or warming first.
- Do not leave the battery in hot or cold places because the capacity and lifetime of the battery will be reduced. Try to keep the battery at room temperature. A phone with a hot or cold battery may not work temporarily, even when the battery is fully charged.
- Do not short circuit the battery. Accidental short circuiting can occur when a metallic object like a coin, clip or pen may cause a direct connection between the positive and negative terminals of the battery (metal strips on the battery). For example, do not carry a spare battery in a pocket or bag where there may be metal objects. Short circuiting the batteries may cause damage to the battery.
- Dispose of used batteries in accordance with local regulations. Always recycle. Do not dispose of batteries in a fire.

8. FCC Declaration

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:--Reorient or relocate the receiving antenna.--Increase the separation between the equipment and receiver.--Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.--Consult the dealer or an experienced radio/TV technician for help.



WARNING:

To satisfy FCC RF exposure requirements for mobile transmitting devices, a separation distance of 20 cm or more should be maintained between the antenna of this device and persons during device operation. To ensure compliance, operations at closer than this distance is not recommended. The antenna used for this transmitter must not be co-located in conjunction with any other antenna or transmitter.