MangoGX Configuration

Overview	
	This document includes configuration information related to features available with the purchase of the MangoGX handheld and its expansion modules.
Introduction	
	Use this document to configure the following options:
	• Resetting the Handheld
	• WiFi
	• Wireless GPRS DATA connection (Requires SIM card)
	Barcode Scanning
	• GPS (Coming soon)

If you are not sure which MangoGX features are available with your handheld, please contact your reseller or ARS.

Resetting the Handheld

The reset routines are all done by "key" combinations:

Soft Reset: Press the "Alpha", "Fn" and "Enter (arrow)" keys at the same time.

Hard Reset: Press and hold the "Power", "Fn" and "Enter (arrow)" keys at the same time, release when the screen turns off.

WiFi Configuration

A WiFi connection may be required if you will be using wireless data transfers in the office or from a remote location. This type of transfer is typically used with the *Advanced Communications Module* in RMA. Establishing a connection and configuring *Auto-Profiles* (for companies with multiple hot-spots) are covered below.

Establishing a Connection

Follow the steps below to successfully configure your handheld for WiFi transfer.

1. Perform a *Soft Reset* on the handheld (see previous section).

2. After the handheld reboots, you will need to Enable (or confirm its on) the Wireless LAN by going to Start > Programs > Controls > Device Power and confirm the box next to Wi-Fi Power is checked.

NOTE: The *Wireless Lan* (WLAN) option can also be accessed under *Start > Control Panel* on the handheld.

- 3. Open the WLAN Manager utility by double clicking the Wifi Connection bars on the start menu bar or go to Start > Settings > Control Panel > WLAN manager
- 4. Select the *Profile* tab and tap on the **Scan** button.

Summit Client Utili	ty ? OK ×
Main Profile Status	5 Diags Global
Edit Profile: Default	spc
New Rename	Delete Scan
Radio:	
SSID 🔺	
Client Name 📃	
Power Save	I
Encryption:	EAP Type:
None 🔽	None 💌
WEP keys/PSKs	Credentials
Save Changes:	Commit

5. If any wireless networks are found, they will be displayed in the dialog screen that appears. Select the network that you would like to connect to, and tap **Configure**.

Summit Client Utility	/	? OK	×
		<u> </u>	
Scan			×
SSID	RSSI	Secure	Γ
dlink	-75	true	
Configure	F	Refresh	
Save Changes:	Со	mmit	

6. Tap **Yes** on the 'Create a new profile' dialog screen.

Summit Client Utility 🛛 ? OK 🗙
scu
Create a new profile? SSID: ars-g3 Encryption: Manual WEP EAP Type: None
You may be prompted to enter credentials or keys.
Yes <u>N</u> o Cancel
Save Changes: Commit

7. Enter the network key or password that will be used to connect to the wireless network and click **OK**.

Summ	it Client I	Utility	¥	?	ОК	×
Í	- ~)		v——	~		
wep k	ey Entry				?	×
Enter 1 OR enti	.0 or 26 He er 5 or 13	ex digi ASCII	ts (A-F chara	; 0-9 cters))	
Тх Кеу						_
1	abc123					
O2						
Οз						
04						
	ОК		Ca	ance	el	
Save	Changes:		C	omn	nit	

8. Your new profile will now be listed in the connections menu. Select the **Main** tab to continue.

Summit Client Util	ity ? OK ×
Main Profile Statu	ıs Diags Global
Edit Profile: ars-g3	sbc
New Rename	Delete Scan
Radio:	
SSID Client Name Power Save Tx Power	ars-g3
Encryption:	EAP Type:
Manual WEP 🛛 💌	None 🔹
WEP keys/PSKs	Credentials
Save Changes:	Commit

9. In the *Active Profile* list, select your new profile and tap **Enable Radio**.

Summit Clier	nt Utilit y	? 0K ×
Main Profile	Status Diag	s Global
CI IN AN	AIT —	
DATA COMMUNI	CATIONS En	able Radio
	[
Active Profile:	ars-g3	_
Status:	Disabled	
Radio Type:	BG	
Reg. Domain:	WorldWide	
Auto Profile:	O On 🔘	Off List
Driver: v2.01	.17 SCU: \	/2.01.12
	A	bout SCU

Your new connection should be activated at this point. If it does not connect, perform a *Soft Reset* of the handheld and repeat *Step 8*.

Configuring Auto Profile

If you will be connecting your handheld to multiple wireless networks depending on your location, you can configure the *Auto Profile* option to automatically connect to the appropriate network when it becomes available.

To save a wireless connection in the Auto Profile list, follow the steps below:

- 1. Connect to the desired wireless network following the steps detailed in the previous section.
- 2. On the *Main* tab, tap the **List** button.

Summit C	lient Ut	ility	?	0K	×
Main Prot	île Stat	us Dia	gs 🛛 Gl	obal	
			isable	Rad	io
Active Prof	ile: <mark>ars-</mark> g	, 3			•
Status: Radio Type Reg. Doma	Asso e: BG in: Wor	ociated IdWide		_	
Auto Profil	e O	On 🔘	Off	Li	st
Driver: v2	.01.17	SCU:	v2.01	.12	
			About	SCL	J

3. Select each wireless connection to save in the *Auto Profile* list, and click **OK**.

Summit Client Utility	? 0K ×
Auto-Profile	×
Profile ☐ Default ✔ ars-g3 ✔ dlink ☐ Free Public WiFi	
	About SCU

4. On the *Main* tab, change the *Auto Profile* setting to **ON**.

Summit Clien	nt Utility	? 0	КΧ
Main Profile	Status D	iags Glob	Dal
		Disable R	adio
Active Profile:	ars-g3		~
Status:	Associated	d	
Radio Type:	BG		
Reg. Domain:	WorldWid	е	
Auto Profile:	On () Off	List
Driver: v2.01.	.1 7 SCU	: v2.01.12	2
		About 9	SCU

5. Repeat these steps at each wireless network location to save each connection in the *Auto Profile* list.

After you have configured each wireless connection in the *Auto Profile* list, the handheld will automatically connect to the appropriate network when it is in range.

GPRS Configuration

A wireless GPRS connection is required if you will be using wireless data transfers from a remote location. This type of transfer is typically used with the *Advanced Communications* and *RMLive Modules* in RMA.

Follow the steps below to successfully configure your handheld for GPRS transfer.

- 1. Perform a Soft Reset on the handheld.
- 2. After the handheld reboots, you will need to Enable (or confirm its on) by going to Start > Programs > Controls > Device Power and confirm the box next to GPRS Power is checked.

NOTE: If the screen displays "GPRS is not ready", tap **OK** and repeat steps 4 and 5 to try re-enabling the connection.

3. Once the GPRS connection is enabled, tap *Start* > *Settings*, and select the *Network and Dial-up* option.



4. Tap and hold the stylus on top of the *GPRS* Connection icon and select **Properties**.



5. On the *Modem* tab, select **GPRS Modem** from the "Select a modem" list.

Connection 📴 🗙 😭	?	X
GPRS Properties	OK	×
Modem Phone Number		
GPRS GPRS		
<u>S</u> elect a modem:		
Hayes Compatible on COM8:		•
<u>B</u> luetooth	•••	
TCP/IP Settings		
Security Settings		

- 6. Tap the **Configure** button and select the following settings:
 - Baud Rate: 115200
 - Data Bits: 8
 - Parity: None
 - Stop Bits: 1
 - *Flow Control:* Hardware



- 7. Tap the *Call Options* tab and (depending on your GPRS data service provider) enter the following information in the *Extra Settings* box:
 - AT&T/Cingular: +cgdcont=1,"ip","wap.cingular"
 - All Others: Contact your GPRS data service provider.

Device Properties ? OK ×
Port Settings Call Options Call Setup
☑ Cancel the call if not connected within
120 seconds
✓ Wait for dial tone before dialing
Wait for credit card 0 sec.
Extra Settings-
Special modem commands may be inserted into the dial string
+cgdcont=1,"ip","wap.cingular"

- 8. Tap **OK** to close the *Device Properties* screen.
- 9. Tap the **TCP/IP Settings** button and select the following settings:
 - Use server-assigned IP address.
 - Use software compression.
 - Use IP header compression.
 - On the *Name Servers* tab, select "Use server-assigned addresses".

Conner	tion 📳 🕹	2	Ă
TCP/IP	Settings	ОК	×
General	Name Servers		
2	My Connection		
🔽 Use	server-assigned (IP address	
		,	
🔲 Use	Slip		
🔽 Use	s <u>o</u> ftware compre	ession	
🔽 Use	IP header comp	ression	
	< <u>B</u> ack	<u>N</u> ext >]

- 10. Tap **OK** to close the *TCP/IP Settings* dialog screen.
- 11. Tap **OK** again to close the *GPRS Properties* dialog screen.
- 12. Next you must establish the GPRS Connection (prior to opening RM) by going to Start > Programs > GPRS Connection, and letting the handheld connect.

13. To test your new connection, tap the *Internet Explorer* icon on the MangoGT, and attempt to navigate to a common Web site other than *msn.com* (i.e., *yahoo.com*, *google.com*, etc.).



NOTE: If you are not connected, verify that you have followed all of the steps covered in this document. If the problem persists, contact your system administrator or ARS.

Barcode Scanning

Barcode scanning on the MangoGX is automatically enabled on the handheld.

GPS Configuration

GPS functionality on the MangoGX is coming soon.