

# AZOTEL S03-03 v201 (2017-11)

# S03 – Quick Start Guides SIMPLer Quick Start Tutorials

Azotel Technologies Ltd, 3rd Floor, River House, Blackpool Park, Cork, Ireland.

Azotel Canada Inc. 325 Vulcan Avenue NS B1P 5X1 Sydney Canada

Azotel Poland PLAC Powstancow Slaskich 17A/222 53-329 Wroclaw Poland

Phone (EMEA): +353-21-234-8100 Phone (North America): +1-902-539-2665 / +1-312-239-0680 Phone (Poland): +48-71-710-1530 Phone (UK): +44-20-719-3417 Phone (South Africa): +27-11-083-6900 Fax: +353-21-467-1699

info@azotel.com

www.azotel.com

# **CONTENTS**

1	Inti	roduction	. 3
2	WI	B-C setup	. 4
3	Tuto	orials	. 5
3	3.1	Basic Network Setup	. 5
3	3.2	Basic Customer Setup	12
	3.3	Manual Customer Setup	19
	3.4	Adding a User to SIMPLer	26
An	nex A	A: References	38
/	4.1	Document References	38
,	۹.2	Link References	38
An	nex E	3: Definitions and Abbreviations	38
I	3.1	Definitions	38
I	3.2	Abbreviations	38
An	nex (	C: Change History	39

# **1** INTRODUCTION

This manual explains the steps needed in order to setup a basic network and connect your first customer. In these tutorials WIB-C 137 was used as the example WIB-C. When following these steps replace **137** with the appropriate WIB-C number that was provided to you. This guide uses a Motorola Canopy 900 MHz AP and Motorola Canopy 900 MHz SM, both running firmware 9.5 (Oct 2009). Hence, the look of the equipment configuration pages may differ from the equipment used in your organization, but the settings remain the same.

The process consists of many steps but they can be divided into two groups:

- SIMPLer "server" configuration (e.g. adding sites, base stations, APs and customers)
- Core and Access Network equipment configuration (e.g. WIB-C, Access Points and Customer Premises Equipment / Subscriber Modules)

The objective is to cover all the steps in the customer setup process. These tutorials are meant as a quick start guide only. More detailed network configuration instructions are described in the Azotel SIMPLer General Manual.

# 2 WIB-C SETUP

Please refer to Azotel doc 07074 "WIB-C/S-WIB Quick Start Guide" for details on hooking up the WIB.

http://www.azotel.com/00\_Az\_Docs/Operator\_Manuals/S03-01\_WIB\_C\_SWIB\_Quick\_Start\_Guides.pdf

# **3 TUTORIALS**

#### 3.1 BASIC NETWORK SETUP

- 1) Add new gateway (WIB-C) to SIMPLer.
  - a) Go to *network*  $\rightarrow$  *Gateways details*  $\rightarrow$  *Add* (fig 3.1-1)

Мар	Customers	Invoices	Products	Network	Hotspots	Voip	Radius	Tools	Settings	Logout	Q QuickSearch	1
			$- \oplus$		(	2						
details	Base Stations	details Eq	uipment details	Gatewa	ys detail	Interface de	tails					
0 of 0		Searc	sh :						Numb	er of results to	display per page :	: 50 -
/ ID Name	WIB num	nber Sta	tus Act	ive Subscribe	rs S	ubscribers Lice	ense	Traffic Shaping	Bucket	WIB routes	Graphs	Info
0												
-3												
	Map s details • 0 of 0 y ID Name	Map Customers a details Base Stations a of 0 y ID Name WIB num	Map Customers Invoices a details Base Stations details Eq 0 of 0 Searc y ID Name WIB number Sta	Map Customers Invoices Products	Map     Customers     Invoices     Products     Network       1     1     1     1     1     1       a details     Base Stations details     Equipment details     Gatewa       0 of 0     Search :	Map     Customers     Invoices     Products     Network     Hotspots       1     1     1     1     1     1     1       s details     Base Stations details     Equipment details     Gateways details     1       0 of 0     Search :	Map     Customers     Invoices     Products     Network     Hotspots     Voip       0	Map     Customers     Invoices     Products     Network     Hotspots     Voip     Radius       1     1     2     2     2     2     2     2     2       a details     Base Stations details     Equipment details     Gateways detail     Interface details     1       0 of 0     Search :	Map     Customers     Invoices     Products     Network     Hotspots     Voip     Radius     Tools       a details     Base Stations details     Equipment details     Gateways detail     Interface details       • 0 of 0     Search :	Map     Customers     Invoices     Products     Network     Hotspots     Voip     Radius     Tools     Settings       a details     Base Stations details     Equipment details     Gateways detail     Interface details     Interface details       •0 of 0     Search:	Map     Customers     Invoices     Products     Network     Hotspots     Voip     Radius     Tools     Settings     Logout       a details     Base Stations details     Equipment details     Gateways details     Interface details     Interface details       •0 of 0     Search :     Number of results to	Map     Customers     Invoices     Products     Network     Hotspots     Voip     Radius     Tools     Settings     Logout     QuickSend       a details     Base Stations details     Equipment details     Gateways details     Interface details     Interface details       0 of 0     Search :     Number of results to display per page       y ID     Name     WIB number     Status     Active Subscribers     Subscribers     Traffic Shaping Bucket     WIB routes     Graphs

FIG 3.1-1. SIMPLER GATEWAY LIST

b) Next fill in all the appropriate details for your WIB-C installation and click *Add* (fig 3.1-2). Make sure to set the Status to "active".

Gateway Static Settings	
Name	
WIB number	•
Status	active _
WIB Type	(regular 💌
WIB group name	7
Network Details	
Public IP address	( ) ( ) r
Upstream gateway	
Secondary gateway	
Primary DNS	
Secondary DNS	
WIB Gateway Dynamic Co	onfiguration ?
Sustan wide blacked and	
TCP	
UDP	
P2P Restricting	false · ) ?
System wide DNAT	
Destination	
Protocol (optional)	
Port(s) (optional)	
Forward To	Add DNAT
•	Delete
Handling of unknown clients	
Whitelist	?
HTTP Redirection	?
Traffic shaping	
Max bandwidth (kbit/s)	Down: 1024 Up: ?
Whitelist rate (kbit/s)	Down: 1024 Up: ?
Mgmt rate (kbit/s)	Down: 1024 Up: ?
P2P allowed rate (kbit/s)	Down: 1024 Up: ?

FIG 3.1-2. GATEWAY DETAILS

2) Next, you'll want to setup traffic shaping buckets (see "06043 SIMPLer Operators Manual" for more details on traffic shaping buckets)

a. Go to network → Gateways details → Table view (or click the "B" under "Info")(fig 3.1-3)

Sites de	tails	Base Stations details	Equipment of	details Gateways o	details Interface de	tails			
Results 1 - 7 c	of 7		Search :		$\cup$		Numb	er of results to	display per page : 50 💌
Gateway ID	Name	WIB number	Status	Active Subscribers	Subscribers License	Traffic Shaping Bucket	WIB routes	Graphs	Info
1	Test Gatew	<u>/ay</u> 100	active	7	200	Table view	Routes View	Graph view	
Add						~2	$\mathbf{D}$		

#### FIG 3.1-3 SIMPLER GATEWAY DETAILS

- b. A default bucket should already be listed but you may want to setup your own bucket rules to suit your WISP's needs (fig 3.1-4).
- c. Click *Add* to save your new bucket to the list.
- d. When you are finished adding contention buckets please click *Update Buckets Table* to ensure that all bucket changes are applied.

Sites details	Base Stations details	Equipment details	Gateways details	Interface details
Gateway Test Gat	eway(wib 100)			
ID	1			
Name	Test Gateway			
Туре	regular			
Status	active			
Version	20100624			
Uptime	1:09			
	Download	Upload		
Max Bandwidth	32000 kbps	32000 kbps		
Whitelist rate	1024 kbps	1024 kbps		
Mgmt rate	32000 kbps	32000 kbps		
P2P rate	1024 kbps	512 kbps		
Back				

#### **Traffic Shaping Buckets**

ID Description	Downlink rate (kbits/s)	Uplink rate (kbits/s)	Throttling (%)	Usage (Throttled)	Priority	
2 Res 1M - 20:1 - A	1024	512		5 (0)		Customers Graphs
1 Bus 2M - 5:1 - A	2048	1024		4 (0)		Customers Graphs
						Add
Back Update Buckets Table						

#### FIG 3.1-4. SIMPLER BUCKET MAINTENANCE

 At this point your bucket definitions are saved to SIMPLer but <u>have not</u> been pushed to the WIB-C yet. Click *Update WIB-137 files* to push the changes to the WIB-C (fig 3.1-5).

<b>Traffic Shaping</b>	g Buckets						
Description	Downlink rate (kbits/s)	Uplink rate (kbits/s)	Throttling (%)	Current Customers	Assigned Customers	Throttled Customers	Priority
Bus 2M - 5:1 - A	2048	1024		4	7	0	false
Res 1M - 20:1 - A	1024	512		5	22	0	false
Modify Buckets	Modify Gateway Update W	B-100 files Gateways	details				

#### FIG 3.1-5. SIMPLER BUCKET UPDATE

- f. You will be redirected to a page that warns that these updates may affect service. Click the *Update WIB files* link to confirm you want to continue with the update.
- g. A final page will inform you that the WIB-C has been update successfully.
- 3) Add new interface details as programmed into your WIB-C
  - a. Go to network  $\rightarrow$  Interface details  $\rightarrow$  Add
  - b. Choose the appropriate *Gateway name* from the dropdown list. The *Interface* field is almost always going to be "LAN2" for normal WIB-C installations. It is used for organizational/informational purposes only. The *Role* is used for determining where SIMPLer should use the IPs (i.e. for assigning to equipment or customers). The *Label* field is also used for informational purposes only. Keep in mind that all the interfaces that you setup have to correspond to the *WIB Private Networks* that were setup during WIB-C configuration (fig 3.1-6).

Sites details	Base Stations details	Equipment details	Gateways details	Interface details
Modify Interface				
Gateway name			Test Gateway - wib 10	o [7 •
Interface			LAN2	
Network address			10.156.100.0	
Mask			255.255.255.0	
Start IP address			10.156.100.2	
Number of addresses			188	
Broadcast			10.156.100.255	
Gateway address			10.156.100.1	
Role			Canopy	•
Label			Canopy Equipment	
Back Reset D	Delete Update			

#### FIG 3.1-6. SIMPLER INTERFACE DETAILS

Azotel recommends the following interface IP scheme.

 10.156.<WIB>.1/24
 Management (e.g. APs, SMs, BHs, etc.)

 10.157.<WIB>.1/24
 Customer

Azotel also advises that the IP addresses above 10.156.<WIB>.199 be used for equipment that is part of the core network. For example access points and backhauls should be assigned IP addresses from this pool. For the purposes of this tutorial, 10.156.137.200 is used.

Depending on the size of your WISP this IP scheme may not be suitable for your needs. Please contact <a href="mailto:support@azotel.com">support@azotel.com</a> to discuss other setup options.

- 4) Add new site (used for organizing physical locations where equipment is stored)
  - a. Go to *network*  $\rightarrow$  *Sites details*  $\rightarrow$  *Add*
  - b. Fill in the appropriate details for your site and click *Add* (fig 3.1-7)

Add Site	
"Site Name	Office Head End
Gateway name	Test Gateway (wib 100)
Contact Name	John Smith
Phone	
Email	
Monthly Lease Cost	
Access Hours	
Access Information	
	A
000 X	
UP5 A	51.916853
GPS Y	-8.472975
	Carlos Kicaly Units     Carlos Kicaly Cross     Cross     Kicaly Cross     Kibarry Este     Lahardane
	Backstone Bridge Fail Diane Upper Fail Diane Upper Fail Diane The Game Fail Diane Fail D
	paste Google Earth Marker here
Back Reset Add	

FIG 3.1-7. SIMPLER SITE DETAILS

- 5) Add new equipment Access Point
  - a. Go to *network*  $\rightarrow$  *Equipments details*  $\rightarrow$  *Add* (fig 3.1-8)

_										
	Sites details	Base Stations de	tails Equipment detai	ils Gateways details	In	terface details				
Resu	lts 1 - 6 of 6	Se	earch :	(1)				Number of r	results to display per page : 50	•
ID •	Nickname	IP address I	Description	MAC Address	Status	Туре	Parent	CPE or Base Stations	Pur. Inv. Details	
Ad	2	Delete unused equipment								

FIG 3.1-8. SIMPLER EQUIPMENT LIST

b. There are two buttons that can help you keep your equipment organized: Generate Equipment Nickname and Generate Equipment IP Address (fig 3.1-9). The equipment nickname can be built using a prefix of your choosing. For example if the first piece of equipment you add is an access point you could enter "AP" into the Equipment Nickname field and click Generate Equipment Nickname and the system will change the nickname to "AP1". When you add your second access point, if you once again enter "AP" for the nickname and click generate, the system will change it to "AP2", and so on. Another example is adding cluster management modules with a prefix of "CMM". Following a set naming convention is very useful for keeping your equipment database consistent and organized.

Sites details B	ase Stations details Equ	ipment details	Gateways details	Interface details	
Modify equipment					
Equipment Nickname	AP1	Generat	e Equipment Nickname		
IP Address	10.156.100.200	Generat	e Equipment IP Address	any CPE subnet	• ?
SNMP Community Name	Canopy				
Description					
Туре	Canopy AP		?		
Status	stock	-			
Parent	no parent		?		
Maintenance Email					
Serial Number					
MAC Address	mac				
Purchase Invoice Details					
Equipment Costs					
Equipment Note					
DHCP Options					
Back Reset Upda	ate Delete				

FIG 3.1-9. SIMPLER EQUIPMENT DETAILS

The *Generate Equipment IP Address* can be used to have SIMPLer automatically select the next available IP from the Canopy IP block. However, for some equipment you may want to manually assign IPs which is also possible by just typing in the IP you want to use. When adding core equipment you should manually assign an IP.

Depending on the *Type* setting that you use for the equipment some features may not be available. Make sure you select the appropriate type to avoid any unexpected behavior later on.

During the initial setup the equipment *Status* should be set to "stock" so that you can assign it to a base station (discussed later). Even if the equipment is already deployed in the field, leave the status as "stock". Once the equipment is assigned to a base station it will be automatically set to "use".

- c. Click *Add* to complete the addition of the new equipment.
- 6) Add new base station Access Point
  - a. Go to *network*  $\rightarrow$  *Base Stations details*  $\rightarrow$  *Add*
  - b. You are now able to use the equipment added in the previous step (step 4) and add it as a base station. The names of all "stock" equipment will be listed under *Equipment nickname*. The details of the selected equipment will be populated automatically once the base station is added. (fig 3.1-10)
  - c. Next, you will have to select the appropriate *Site name* (added in step 3) from the list. Your selection will then automatically set the *Monitoring Gateway* to the

appropriate WIB-C. However, if for some reason you want to change the WIB-C that	t
is monitoring this base station you may select an alternative WIB-C.	

Sites details Ba	ase Stations details	Equipment details	Gateways details	Interface details	
Add Base Station					
Equipment nickname		AP1		•	0
IP Address					
Description		,			
Serial Number		,			
MAC Address		,			
Equipment Status					
Purchase Invoice Details					
Site name		Azotel Of	fice – Conference Room	-	
Monitoring Gateway		Test Gate	way – wib 100 [7 active	sub(s)]	
Monitor					
		Monitor (I	Email and SMS alerts)	<u> </u>	
Sector					
Direction					
Colour					
Frequency					
Installed By					
Note					
Note					
Change equipment status	to 'use' on update	$\checkmark$			
Back Reset Add					
Huder Huder					

FIG 3.1-10. SIMPLER BASE STATION DETAILS

- d. The *Monitor* option is used to select how you want to be notified in the event that communication with the equipment is lost. SMS alerts will be sent to the phone numbers listed under *Mobiles List* under *Contact details* in the setup for your WISP.
- e. The remaining fields can be used for organizational and troubleshooting purposes, but are not used by the SIMPLer system.
- f. If you want to make sure that the equipment assigned to this base station is not available for other base stations leave *Change equipment status to "use" on update* checked.
- g. Click Add to complete the addition of the new base station.
- 7) Setting up the Access Point

The next step will be to change the default configuration of an AP to match with the settings entered in SIMPLer. However, if you already have an existing wireless network the previous steps should have been setup to match your operations existing setup.

- a. Connect your laptop to the AP using a straight through Ethernet cable and a Motorola power injector.
- b. Change your laptop IP settings to:

IP Address:	169.254.1.5
Subnet Mask:	255.255.255.0

#### Gateway: 169.254.1.1

- C. Open your web browser and connect to <u>http://169.254.1.1</u>; the default IP for Motorola Canopy APs.
- d. First, change the IP settings for the AP: **Configuration**  $\rightarrow$  **IP** (fig 3.1-11). Save your changes but do not reboot at this time.

	General IP Radio SNMP Quality of S	NOPY® Advantage <sup>™</sup> Platform Motorola Wireless Broadband Service (QoS) Security Time VLAN VLAN Membership DiffServ Unit Settings			
<ul> <li>Home</li> <li>Configuration </li> </ul>		Configuration -> IP			
Statistics	Configuration → II				
Account Quick Start	900MHz - Access Point - 0a-00-3e-92-6a-99 No valid accounts configured. Using default user account				
Copyright     Account: none     Level:		Reboot Required Save Changes			
ADMINISTRATOR	LAN1 Network Interface Config	uration			
	IP Address :	10.156.137.200			
	Subnet Mask :	255.255.255.0			
	Gateway IP Address :	10.156.137.1			
	DHCP state :	<ul> <li>Enabled</li> <li>Disabled</li> </ul>			
	LAN2 Network Interface Config	uration (Radio Private Interface)			
	IP Address :	192.168.101.1			
		Save Changes Reboot			
		Reboot Required			

FIG 3.1-11. MOTOROLA CANOPY AP IP SETTINGS

e. Click on the *Radio* tab to access the section for setting your radio specific settings (fig 3.1-12). Recall, when setting up the base station in SIMPLer, you were able to enter a color code and frequency. If information was set at that time you should match it in the setup of your access point. Consult your Motorola Canopy documentation if you need further details on the different radio settings.

Radio Configuration	
Radio Frequency Carrier :	915.0 -
Color Code :	2 (0—254)
Subscriber Color Code Rescan (When not on a Primary Color Code) :	0 Minutes (0 — 43200)
Subscriber Color Code Wait Period for Idle	0 Minutes (0 — 60)
Sector ID :	0 -
Max Range :	20 Miles (Range: 1— 120 miles)
Downlink Data :	75 % (Range: 1 — 99 %)
Schedule Whitening :	© Enable © Disable
Only Allow Subscribers with Version 9.5 or Above :	© Enable © Disable
Hardware Scheduler Link Configurations	
Control Slots :	0 ( Range: 0 — 15 )
External Filters Delay	
External Filters Delay :	0 Nanoseconds
Scan Policy	
Broadcast Repeat Count :	2 (Range : 0 — 2)
Transmitter Output Power	
Transmitter Output Power :	26 dBm ( Range: +3 — +26 dBm )

#### FIG 3.1-12. MOTOROLA CANOPY AP RADIO SETTINGS

f. Next, move to the SNMP tab (fig 3.1-13) and change SNMP Community String 1 Permissions to "Read/Write". Then move to the bottom of the page and fill in Site Information. It is recommended that you set Site Name to something useful to help keep your APs organized (e.g. "Office Head End – AP1").

SNMP Comm	unity Strings		Ξ
SNMP Comm	unity String 1 :	Canopy	
SNMP Comm	unity String 1 Permissions :	<ul> <li>○ Read Only</li> <li>● Read / Write</li> </ul>	
SNMP Comm	unity String 2 (Read Only) :	Сапоруго	
SNMP Acces	sing Addresses		÷
Trap Address	es		+
Trap Enable			+
Site Informati	on		Ξ
Site Information Viewable to Guest Users :	<ul> <li>Enabled</li> <li>Disabled</li> </ul>		
Site Name :	Office Head End - AP1		
Site Contact :	John Doe		]
Site Location	Office Head End, Smith S	t	

#### FIG 3.1-13. MOTOROLA CANOPY AP SNMP SETTINGS

After all settings have been saved you can then reboot the AP to apply the changes. To verify all changes have been saved you can log back into the AP through the new interface IP (e.g. 10.156.137.200). Just remember to set your laptop's IP to something in the same subnet.

## **3.2** BASIC CUSTOMER SETUP

Now that your basic network is setup you can start adding customers to SIMPLer. As with the network setup there are two stages to hooking up a customer; the SIMPLer setup and the equipment setup.

- 1) Adding a customer account to SIMPLer
  - a. In SIMPLer click *customers* → Add a new customer (fig 3.2-1)

azo	• outside WISP: • outside Search	for information about	t customers					inbox (0)	SÍ	MPLer	
Dashboard	Map Customers	Invoices Pro	oducts Network	Hotspots	Voip	Radius	Tools	Settings	Logout	Q QuickSearch	
Manage C	ustomers	1	2								
		Add a new customer Change customer mo Change customer inv	onitoring status			Display cu Change c	ustomers by stal ustomer 'marke	tus ting emails' status			
				Group					-		
	(•) Standa	rd (Name Nickname		Colour					-		
	O Nickna	me	involcing (D)	Site based on "c	olour"				-		
	O Custon	ner ID ress IS Username		Basestation base	ed on "colour"				•		

FIG 3.2-1. SIMPLER CUSTOMERS PAGE

b. There are a lot of fields for detailed information to be stored during customer setup but not all of the data is required. However, it is recommended that you add as much detail as you can (fig 3.2-2). Make sure *Status* is set to "waiting for install".

General Co	ntact details Banking details	Network details	Back Add Customer
Customer Identification		Location	
Name	John Smith	h Kar	Map 🔻
Invoicing ID	•		
Nickname	·		
		<b>?</b>	
Group	group #1 group #2 group #3	r -	
Note: To select multiple groups To unselect a group simply Ctrl	Ctrl + Click on each group name. + Click on the name again.	Google search the map Search	Terms of Use
Value Added Reseller		paste Google Earth Marker here	
Master Agent	<u> </u>		
Regional Sales Manager			
Sales Team Member			
Customer Address Details	; ;		
Billing Address		Installation Address (if different than Billing Address	5)
- Street1		- Street1	
- Street2		- Street2	
- Town		- Town	

FIG 3.2-2. S	IMPLER	CUSTOMER	GENERAL	DETAILS
--------------	--------	----------	---------	---------

c. For simplicity sake you can skip directly to setting up network information for the new customer by clicking on the *Network details* tab near the top of the page (fig 3.2-3).

General	Contact details	Banking details	Network det	ails			Back Add Customer
Customer Identificatio	n			1			
Name		John Smith		$\mathbf{A}$			
Invoicing ID		js		N .			
Nickname		js					
Main Network Details							
Installation Data		_		Auto David ID time			
Installation Date		II (;		Auto-Prov IP type	Public		Auto-Prov NAT ?
Gateway			•	Auto-Prov IP number	1.		
Tower / Site			•	Monitor	monitor	•	Customer Equipment Graphs ?
Traffic Shaping Bucket			-				
Network Protocols Ha	andling						
тср				P2P Restricting	true	•	?
UDP				DHCP Options			
TCP Connection Limit							?
Network Subscriber A	Auto Notification/Dis	connection					
Customer Traffic Limit [C	6B]		?				

#### FIG 3.2-3 SIMPLER CUSTOMER NETWORK DETAILS

- d. Under Network details set the following settings:
  - Installation date
  - Gateway: choose the WIB-C that will be serving this customer
  - Traffic Shaping Bucket: as decided by their level of service
  - Auto-Prov IP type: for the sake of this tutorial select "Private"
  - *Auto-Prov NAT*: will turn on the NAT feature of the Canopy equipment automatically when provisioning the SM
  - Monitor: choose "no monitor" for this tutorial
  - Customer Equipment Graphs: check
- e. Click *Add Customer* to automatically create an installation ticket and add the new customer to the system.
- f. You will be taken to a confirmation page letting you know the customer was added successfully.
- g. Click *Customer 654321 Details* to go to the customer page. 654321 will be replaced with the invoicing id you choose for your customer.
- 2) Configure customer subscriber module for auto-provisioning

Configuring the SM is very similar to configuring an AP but there are some important settings that have to be set in order for the auto-provisioning process to work.

- a. Connect your laptop to the SM using a straight through Ethernet cable and a Motorola power injector.
- b. Change your laptop IP settings to:

IP Address:	169.254.1.5
Subnet Mask:	255.255.255.0
Gateway:	169.254.1.1

- c. Open your web browser and connect to <u>http://169.254.1.1</u>; the default IP for Motorola Canopy SMs.
- d. First, set the appropriate region code for your area by going to **Configuration** → **General**. Save your changes but do not reboot at this time.
- e. VERY IMPORTANT STEP!!!! PLEASE READ CAREFULLY Next, change the IP settings for the SM under Configuration → IP (fig 3.2-4). Assign an IP from the Canopy interface (not the Customer interface!) that was setup previously in SIMPLer. It is Azotel's recommendation, that you set aside a block of IPs (in the Canopy interface) for installers to use for the auto-provisioning process. An installer can set the SM's IP to an address from this block. Doing this will allow the auto-provisioning process to complete the configuration of the SM automatically. For this tutorial we will use 10.156.137.250 as our installer IP. Make sure to select "Public" for Network Accessibility. Save changes.

<ul> <li>Home</li> <li>Configuration</li> <li>Statistics</li> <li>Tools</li> </ul>	General P Radio SNMP Quality of Service	CANOPY® Advantage <sup>™</sup> Platform Motorole Wireless Broadbard (QoS) Security VLAN VLAN Membership DiffServ Proto Configuration → IP podule - 0a-00-3e-9d-73-d3 No valid accounts
<ul> <li>Logs</li> <li>Account</li> <li>PDA</li> <li>Copyright Account: none</li> </ul>		Reboot Required Save Changes
Level:	LAN1 Network Interface Configuratio	n
ADMINISTRATOR	IP Address :	10.156.137.250
	Network Accessibility :	<ul> <li>Public</li> <li>Cocal</li> </ul>
	Subnet Mask :	255.255.255.0
	Gateway IP Address :	10.156.137.1
	DHCP state :	<ul><li>Enabled</li><li>Disabled</li></ul>
		Save Changes Reboot Reboot Required



- f. Next, click on the *Radio* tab. Set *Color Code 1* to match that set on the AP (2 for this tutorial).
- g. Click on the SNMP tab next. Change SNMP Community String 1 Permissions to "Read/Write" to allow for auto provisioning. To allow the auto-provisioning process to link the SM to the customer record, we must set the Site Name in the SM to match the customer's nickname set in SIMPLer (step 1-b) (fig 3.2-5). Save your changes.

SNMP Community String	S						Ξ
SNMP Community String	1:	Canopy					
SNMP Community String	Permissions :	<ul> <li>Read Or</li> <li>Read / V</li> </ul>	© Read Only © Read / Write				
SNMP Community String 2	2 (Read Only) :	Canopyro					]
SNMP Accessing Addres	ses						E
Accessing IP / Subnet Mas	sk 1 :	0.0.0.0	/ 0				
Accessing IP / Subnet Mas	sk 2 :	0.0.0.0	/ 0				
Accessing IP / Subnet Mas	sk 3 :	0.0.0.0	/ 0				
Accessing IP / Subnet Mas	sk 4 :	0.0.0.0	/ 0				
Accessing IP / Subnet Mas	sk 5 :	0.0.0.0	/ 0				
Accessing IP / Subnet Mask 6 :		0.0.0.0	/ 0				
Accessing IP / Subnet Mask 7 :		0.0.0.0	/ 0				
Accessing IP / Subnet Mas	sk 8 :	0.0.0.0	/ 0				
Accessing IP / Subnet Mas	sk 9 :	0.0.0.0	/ 0				
Accessing IP / Subnet Mas	sk 10 :	0.0.0.0	/ 0				
Trap Addresses							+
Site Information							E
Site Information Viewable to Guest Users :	<ul> <li>Enabled</li> <li>Disabled</li> </ul>						
Site Name :	ssmith01						
Site Contact :	John Doe						
Site Location :	123 Beechmont Rd	l, Sydney, NS					

#### FIG 3.2-5. MOTOROLA CANOPY SM SNMP CONFIGURATION

- h. Reboot the SM. Once the reboot process is complete the SM will be functioning with the new configuration.
- i. You can verify that your configuration changes have been set correctly by changing your laptop's IP settings to:

IP Address:	10.156.137.251
Subnet Mask:	255.255.255.0
Gateway:	10.156.137.1

- j. If you wish you can log back into the SM with the URL http://10.156.137.250 to verify your settings.
- 3) Auto-Provisioning from SIMPLer

At this point you have two options available for provisioning. You can wait up to two hours for SIMPLer to automatically go out and find SMs that are ready for provisioning, at which point they will automatically be provisioned and assigned to the appropriate customer, or you can provision immediately. The steps here will outline how to provision immediately.

- a. Log into SIMPLer and go to *tools*.
- b. Set Select an action to "Provision Now!"
- c. Select the appropriate interface for *IP address of SM* and enter the last octet of the current SM IP (**250** for this tutorial) (fig 3.2-6). Please note that this is the installer IP, the temporary IP address, specifically used for the auto-provisioning process.

System Tools Select an action: Provision	n Now!	_		1	Backgi	round Pro	ocesses Locks
Select an action: Provisio	on Now!	-					
				/	Lock Ty	ype Da	te Started
IP address of SM: WIB100	0 10.10.10				No back	kground proce	sses running.
Target Equipment Subne Any							
Target Customer Subnet Any			-				
Customer MAC Address:							
Clear IP traffic							
Submit							

FIG 3.2-6. SIMPLER PROVISIONING TOOL

- d. Click Submit.
- e. You will be presented with a confirmation screen showing the changes that have been made (fig 3.2-7). Since NAT was enabled make sure the computer hooked up to the SM is set to obtain and IP automatically. The customer should now be online with the SM.

Subscriber Module Settings: IP address: 10.156.137.250
MAC address: 0a-00-3e-9d-73-d3
Description: CANOPY 9.5 SM-DES
Distance: 0.00
Site Name: ssmith01
Colour Code: 2
Type: canopysm
New Equipment Nickname: S3
New Equipment IP address: 10.156.137.2
1 Private address
Generated IP: 10.157.137.2 255.255.255.0 10.157.137.1
NAT feature is enabled.
The equipment IP address has been changed to '10.156.137.2'.
Site Name has been changed to 'S3 - ssmith01'.
Reboot has been initiated on 10.156.137.250.
wib.SUBS configuration file has been updated.
MIR flag have been undeted (withnumber = 127)
10 167 137 2 266 266 266 0 10 167 137 1
10.157.157.2 255.255.255.0 10.157.157.1
Back to tools >>



- f. You can now view the customer's updated information by clicking on the *customers* tab at the top of the page and use the **Search** box to find "Smith".
- g. The main changes to note are that the customer's status will have changed from "waiting for install" to "current", a usage graph will be visible, equipment details are added, and an IP table is present showing the customer's assigned IP (fig 3.2-8). However, since NAT was enabled on the SM the customer won't need to know this IP to get online.

17

QQ

General:	Customer Ac	count (modify_) (history)	Contact Details (modify) (history)	General (modify) (histor	¥)
Modify Customer	Customer ID	2	Email	Туре	customer home
Customer Bestal	Invoicing ID	10219		Start Date	Jul 20, 2011
Customer Portai	Nickname	ABC	Accounts Email	Initial Contact Date	Jul 20, 2011
Sales Opportunities	Name	John Doe		Installation Date	Jul 20, 2011
Invoicing	Status	Changed: Jul 20, 2011	Supports Email	Importance	3
involcing.		changed, our 20, 201	Telephone ?	Customer Tracking	Normal
Custom Invoice	Financial Sur	nmary (statement_)		Marketing Code	N -
Invoices Details	Prepayments	CAD 0.00 CR	Fax	Marketing Emails	NO
	(Amount Remaining)	040 000 00		Reference Fee	
Subscription Details	(Amount Remaining)	CAD 0.00 CR	Website	Reference Fee Status	
Credit Card Details	Customer Balanc	e CAD 0.00 DR		Sales Team Member	
Develo Assessment Distante			Contacts ?		
Bank Account Details					
Prepayments					
Credits					
Free Service Bonus			HINTED SC 1 St.		
01-1	Address (modify	) (history)		Map Map	Satellite Hybrid
Statement	Billing Address:			Listence, Swiney, New Victoria Waterford	
Billing Issues	Street 325 Vulo	can Ave.	±	North	gan .
Network:	Town Sydney		- Georges Brief	Done South Bar, River Hyan, Done	Con Glace Bay
Network.	County NS		V 194933	Sydney a Boad (E	C Slope - Port Donks
Modify Network Details	Country Canada		Contraction of the Contraction o	A	
Modify IP Table			Barrachels Bails Cree	it could Subney	Part Monin
			to set 2 2 2	125 Mire Road	
Modify Equipment			Beetrated		Homeyle
Modify Radius	Installation Area		Extension of the second	Centre Dutch Brook	He Address
	Community Code		the state of the second second	ydrey* B Carbou 20	a+ Mra Gut Island
Send network details	GPS Coordinates	- <i>- 2</i>	10000	All	Catalone
Maintenance	Sr o ocoraniates		Come &	hagery (2281) Terral Joines, Map data C	2611 Google C Terms of Line

#### **Customer Network Details**

Network Details	adify) (history)	Usage Summary 👜	ly Usage Details)		Cus	stomer Usa	ige Summary G	raph (Daily Usage I	Netails)	
Monitor	no monitor	Monthly Allowance (CAP)	unlimited		_					
Gateway	RADIUS Gateway (wib-20)	Current Allowance Usage	0 Download	Upload	econd	0.8				1 1016
Bucket	No Bucket assigned	1 day	0	0	- L	0.6				1081
Auto-Prov IP Type	Private	2 days 1 week	0	0	its pe	0.4				OUTING
Auto-Prov IP Number	1	1 month	0	0	8	0.0 8 1	0 12 14 16 18 2	0 22 0 2	4 6 8	10 12
Auto-Prov NAT	Disabled				-					
Equipment Graphs	Enabled				R	eset ALL usage				
Colour							~	$\rightarrow$		
TCP Blocked Ports		Radius Details (modify	(history.)							
UDP Blocked Ports		Gateway RADIUS Gateway (wib-20)		127.0 RAE	RADIUS Credentials			Radius Groups		View
P2P Restricting	false	Radius Authentication	Yes			Username	Password	Radius Checks		view
TCP Connection Limit	-	Radius Authorization	Yes			acme_jdoe01	R34ly34sy (Meet Sessions)	Radius Replies	<b>N</b>	Not Define
Usage Blackout Period	Off	Radius Accounting	Yes							
Equipment Details	(modify) (history)	_								
Equipment nickname No equipment Details available		Туре	IP address		MAC a	ddress Gr	raphs Col	our	Freq.	
Customer IP Table	(history)									
IP Address	IP Type	MAC Address	Hostname / Lab	el		Usage Su	mmary (Month)		Grap	hs
No IP Details available										

### FIG 3.2-8. SIMPLER CUSTOMER INFORMATION PAGE

- 4) The customer should now be online, but at this point they aren't being billed. In order to start billing the customer you will need to add *Subscription details* to their account (details on creating different subscription packages can be found in the SIMPLer Operators Manual).
  - a. On the customer details page click *modify* beside *Subscription details* (fig 3.2-9).

18

Customer B	Billing Details						Q QuickSearch	
Billing Details	(modify) (history) No	Financial Summ Prepayments	nary (statement) CAD 0.00 CR	Last 5 Invoice	Amount Status	Quick Lin	nks Custom Invoice	
Payment Method	cash	(Amount Remaining) Credits	CAD 0.00 CR	No invoice has been general	ated yet	Custom	Credit Card Payment	
Frequency	1 month(s)	Customer Balance	CAD 0.00 DR			Custo	m E-Check Payment	
Credit Days		First Invoice De	tails	-		Custor	m Non-EFT Payment	
Sand Mathod	email to customer	Date	Jul 20, 2011			Quick	Non-EFT Payment	
	circuit to customer	Setup Fee (modify)	CAD 0.00					
VAT / TAX Exemptio	n No	Subscription Total (Prorated)	CAD 0.00					
		Total Amount	CAD 0.00					
Credit Card De	tails (modify) (history)							
Number No Credit Card Details	Expiration Date	Holder	Туре	First Name	Last Name	Add	ress City	
Bank Account Customer Bank Acc	Details (modify_) (history) count Number	Customer Institution ID (0B) where BBB = Bank, TTTTT = Bank Transit Numbe	BBTTTTT)	Operator Bank Statement Reference Customer Bank Account Name				
No Bank account Detai	ils available							
Subscription D	etails (modify) (history)							
Current Recurring P	Products							
Code Description	n Qty Price Imp	ort Disc. Premium	TAX / VAT Rate	Total Valid Dates	Cycles Left	Traffic Allowance	Use Free Service Bonus	
No valid subscription D	etans avarable							
Free Service B	onus (modify) (history)							
Date	Туре	Referral	Cycles	Cycles Left	Months	Months Left	Status	
0044 40 40	and an a fair and	10214 /11	0	0	4	1	Antion	

#### FIG 3.2-9. SIMPLER CUSTOMER BILLING

b. You will be taken to a page that will allow you to add products to the customer (fig 3.2-10). This is also where you would specify such things as setup fees, discounts, or premiums. Select a Code (Price) and click Add Product.

Customer AB ID Name Nickname Invoicing ID	2 John Doe ABC 10219			1-	Add Product Dode Description Price Add Product	(manage) BUS_PRO ¢ Business Professional 69.95 ¢)	;)	Add Package Code (1) Description(1) Products (1) (Add Package	e ( <u>manage</u> INSTALATIO instalation p RES_INSTALL e)	) N 🛟 ackage	¢) LD		•
Back Updat	e Subscription Ta	<b>b</b>				2							
Customer Subs	scription table						-					Dia la China	
							Type: All	÷				Display: Active	-
ID Product Code	Product Type	Product Description	Quantity	Price Discount %	Premium %	TAX Mode TAX Zo	ne Summary T/ TAX Rate %	AX Rounding To	otal Amount	Cycles	Type Valid dates	Free Service Cycles	
								Total:	0				

FIG 3.2-10. SIMPLER MODIFY SUBSCRIPTION DETAILS

c. Click Update *Subscription Details* to complete the process. The customer will then be invoiced during the next billing cycle.

## **3.3 MANUAL CUSTOMER SETUP**

In the previous section you saw how to add a customer to SIMPLer and then have the system automatically setup the customer's equipment to work on your network. The system also automatically added the equipment into SIMPLer and assigned it to the customer's account.

The automatic method may not be suitable for all WISPs. Some WISPs may wish to setup the equipment manually or may need to do manual installations in some special circumstances. Many of

the steps for setting up a customer manually are the same as when setting them up for autoprovisioning (section 3.2) but there are some key steps where the two differ. For this tutorial we will assume that you want to give the IP information to the customer so that they can configure it on their router (or computer) while leaving the SM in bridging mode.

- 1) Adding a customer to SIMPLer
  - Follow the steps in section 3.2-1 up to the customer's *Network details* setup (step 1c.).
     For this tutorial we will uncheck *Auto-Prov NAT* (fig 3.3-1) to make sure that NAT isn't enabled on the SM.

General	Contact details	Banking details	Network de	etails			Back Add Customer
Customer Identification	on						
Name		John Smith					
Invoicing ID		js					
Nickname		js					
Main Network Details							
Installation Date		•		Auto-Prov IP type	Public		to-Prov NAT ?
Gateway		(	-	Auto-Prov IP number	1		
Tower / Site			-	Monitor	monitor	- -	stomer Equipment Graphs ?
Traffic Shaping Bucket							
Network Protocols Ha	andling						
ТСР				P2P Restricting	true	-0.2	
					titte	r	
UDP				DHCP Options			
TCP Connection Limit							?
Network Subscriber A	Auto Notification/Dis	sconnection					
Customer Traffic Limit [C	BB]		?				

FIG 3.3-1. SIMPLER CUSTOMER NETWORK DETAILS (NAT NOT ENABLED)

- b. The rest of the settings will remain as they were previously stated in section 3.2 step 1d.
- c. Click *Add Customer* and then *Customer 654321 Details* (where 654321 will be replaced by the invoicing ID of the customer that you setup).
- 2) Add a subscriber module to the equipment list under *network*

At this point in section 3.2-2 you would have configured the SM to prepare it for provisioning by the SIMPLer platform. But in order to manually setup the SM you will need to go a different route.

- a. Add the SM to your network (*network*  $\rightarrow$  *Equipment details*  $\rightarrow$  *Add*)
- b. This time enter "SM" as the base *Equipment Nickname* and click *Generate Equipment Nickname*.
- c. Then, click *Generate Equipment IP address* to assign an available IP (make note of this IP for future use in SM configuration).
- d. Set the *Type* to "Canopy SM" and leave the *Status* as "stock".
- e. The remaining fields should be filled in to match your equipment details.

Sites details Ba	Base Stations details Equipment details Gateways details Interface details	
Modify equipment		
Equipment Nickname	AP1 Generate Equipment Nickname	
IP Address	10.156.100.200 Generate Equipment IP Address any CPE subnet	• ?
SNMP Community Name	Салору	
Description		
Туре	Canopy AP?	
Status	stock	
Parent	no parent ?	
Maintenance Email		
Serial Number		
MAC Address	mac	
Purchase Invoice Details		
Equipment Costs		
Equipment Note		
DHCP Options		
Back Reset Upda	tate Delete	

FIG 3.3-2. SIMPLER ADDING EQUIPMENT

- f. Note that *Description* does not need the customer's nickname. This is only for informational purposes.
- g. Click *Add* to finish the installation.
- 3) Assign an SM to the customer's account

The next thing to do is to add the new equipment to the customer waiting for install in SIMPLer.

- a. Got to the *customers* tab and search for "ssmith01".
- b. Go to Steve Smith's account and click on Modify Equipment in the left hand menu (fig 3.3-3). Note you can also access the customer's equipment page by clicking on *modify* beside *Equipment details* toward the bottom of the customer information page.

Barner tocoarte Botano	(Amount Remaining)	
Prepayments	Customer Balance	CAD 0.00 DR
Credits	Address	
Free Service Bonus	Billing Address:	
Statement	Street	
Billing Issues	Town	
Network:	Country	
Modify Network Details		
Modify IP Table		
Modify Equipment	Installation Area	
Modify Radius	Community Code	
Maintenance	GPS Coordinates <i>&lt;</i>	

FIG 3.3-3. SIMPLER MODIFY CUSTOMER EQUIPMENT MENU

c. On the customer equipment page you will see a list of "stock" equipment on the lower portion of the page. Click on the *Add* button beside the equipment that you want to assign to this customer (fig 3.3-4).

Customer AB	C(2)										
ID			2								
Name			John Doe								
Nickname			ABC								
Invoicing ID			10219								
Back Update	CPE Table	)									
Customer CPE t	able										
Nickname	IP Colo	ur Frequenc	cy GPSX	GPSY	Distance	Installed by	Dish	Grounding C	ompleted	Additional Info	)
Available Equipr	nent ( <u>mar</u>	nage)								\	
Search											
ID Nickname	Status	Туре	IP	MAC		SNMP Community	Invo	ice Details	Serial Number	Description	4
8 BH3	stock	Canopy BH	10.156.254.2	00A0123	4FF1B	Canopy					Add

FIG 3.3-4. SIMPLER ADD CUSTOMER EQUIPMENT

- d. Once the equipment is assigned you will be able specify other details for the equipment which are specific to this customer (e.g. *Colour, Frequency*, etc.).
- e. When you finish entering the additional details click on *Update CPE Table* (fig 3.3-5) to finalize the equipment assignment.

Customer ABC ( 2	)									
ID		2								
Name		John Doe								
Nickname		ABC								
Invoicing ID		10219								
Back Update CPE Ta	ble									
			Modifica	ations will be ap	pplied only if yo	u press the 'Update	e CPE Table' butto	n		
Customer CPE table										
NicknamelP	Colour	Frequency	GPSX	GPSY	Distance	Installed by	Dish	Grounding Completed	Additional Info	
BH3 10.156.254.2	2		46.145916	-60.162989			:			Delete
Available Equipment (	manage)									
Search										

FIG 3.3-5. SIMPLER UPDATE CPE TABLE

4) Assign an IP to the customer

Now that the equipment is assigned you will need to generate an IP for your customer.

- a. On the customer information page click on *Modify IP table* in the left hand menu (right above *Modify Equipment*).
- b. Enter the *Quantity* of IPs you want to assign to the customer and click *Generate IP addresses* (fig 3.3-6).

ι.				
Customer ABC (2)				
ID		2		
Name		John Doe	1	
Nickname		ABC		
Invoicing ID		10219		
Back Update IP Settings				
Network Settings			_	
Gateway		(20)		
Bucket		not assigned		
IP Generation Address Ty	rpe ?	Private 🛟		
Customer IP table				
IP Address	Type MAC	MAC to IP Restiction	Hostname / Label	DHCP Options
Add Blank Row				
Generate Private IP addre	sses			
Quantity IP class				
1 🛟	Generate IP address	es		

#### FIG 3.3-6. SIMPLER GENERATE CUSTOMER IP

- d. At this point you can also specify a **MAC** address for the customer and lock the IP to that MAC. For this demo we will leave those options open so that any computer/router can use this IP.
- e. To finalize the IP assignment click on Update IP Settings.
- 5) Configure customer subscriber module

The customer now has equipment and an IP assigned manually. With this information an installer would be able to go to the customer's house to complete the installation. The configuration of the SM takes place in the same way as auto provisioning setup but in this instance the installer would enter the assigned IP information instead of their installer IP (fig 3.3-7). Since this SM will be used in bridging mode no other settings need to be changed.

LAN1 Network Interface Configuration	Ξ
IP Address :	10.156.137.2
Network Accessibility :	<ul><li>Public</li><li>Local</li></ul>
Subnet Mask :	255.255.255.0
Gateway IP Address :	10.156.137.1
DHCP state :	<ul><li>Enabled</li><li>Disabled</li></ul>

Save Changes

Reboot Required

#### FIG 3.3-7. MOTOROLA CANOPY SM NETWORK CONFIGURATION

- 6) Configuration of the customer's computer/router
  - a. After configuring the SM your installer's work should be just about finished. The last step would be to setup the assigned customer IP on their computer/router. There are too many equipment possibilities so it isn't feasible to try and outline them all here. At this point an assumption will be made that the installer (or a person on site) will be able to enter the IP settings into the customer's equipment. The IP setting for this example are as follows.

IP Address:	10.157.137.2
Subnet Mask:	255.255.255.0
Gateway:	10.157.137.1

7) Closing the installation maintenance ticket

Now that your customer is installed and working there are a few more steps that need to take place in SIMPLer to finish activating their account. During auto-provisioning the installation ticket is automatically closed. However, when following the manual process you will have to manually close the customer's installation ticket.

a. Go to the customer's account and click on Maintenance in the left hand menu (fig 3.3-8)

Baint / 1000 ant Botano	(Amount Remaining)	
Prepayments	Customer Balance	CAD 0.00 DR
Credits	Addross	
Free Service Bonus	Billing Address:	
Statement	Street	
Billing Issues	Town	
Network:	Country	
Modify Network Details		
Modify IP Table		
Modify Equipment	Installation Area	
Modify Radius	Community Code	
Maintenance (1)	GPS Coordinates 🛷	

#### FIG 3.3-8. SIMPLER CUSTOMER MAINTENANCE

- b. Click on the customer installation ticket to view/modify the details.
- c. You can use the *Resolution* text area to enter any details that you would like about the installation. For example if there were any issues that occurred during the install.
- d. Scroll to the bottom of the page, change the *Status* to "closed" and click *Update* (fig 3.3-9)



FIG 3.3-9. SIMPLER MAINTENANCE TICKET

8) Adding subscription details to customer

As with the auto provisioning setup this customer is now online but doesn't currently have any subscription details. Subscription details should be added to the customer in the same way as they were in section 3.2-4.

9) Set customer to "current"

The final step in order to get the customer's account setup is to change them from "waiting for install" to "current". Billing will not start for the customer until they become current. As with other processes this switch is automatically completed during auto-provisioning but needs to be manually changed for manual installations.

- a. Return to the customer's information page
- b. Click on *Modify customer* on the left hand menu

c. Change *Status* to "current" and set *Installation date* and *Start date* to the appropriate settings (fig 3.3-10). Please note that *Start date* is important because it is used during invoice calculations.

Other Details			
Status	current	Importance	3
		Туре	customer home
	$\sim$	Customer Tracking	Normal
	(1)	Marketing Code	
	<u> </u>	Marketing Emails	off
	(2)		
Customer Date Data	ils	Customer Referrals	
Initial Contact Date	Jul ; 20; 2011	Referral Customer	
Installation Date	III JUI 🗘 20 🗘 2011	Referral Fee Status	
Start Date	🖼 (Jul 🗘 20 🗘 2011	Referral Fee Amount	

FIG 3.3-10. SIMPLER CUSTOMER MODIFICATIONS

- d. Click on *Update Customer* to finish with the customer's account setup.
- 10) Update WIB-C Files

Now that the customer's account is setup you will need to update the WIB-C to make it aware of all the configuration changes. This is necessary for the WIB-C to allow the traffic for the new customer's account. As with many of the step covered in this section, this process is something that is done automatically during the auto-provisioning process.

- a. From the page menu click on *tools*.
- b. Change Select an action to "Update WIB files" and then select the appropriate WIB-C (fig 3.3-11).

System Tools			
Select an action:	Update WIB files	Test Gateway (100)	•
	(		
Submit			
Guomic			

FIG 3.3-11 SIMPLER TOOLS

c. Click *Submit* to push the updates to the WIB-C and complete the manual installation process. The customer will now be online and will get invoiced during the next billing run.

### 3.4 ADDING A USER TO SIMPLER

When creating a new instance in SIMPLer, Azotel staff will add the first user to the SIMPLer system. The main contact (owner, manager, etc) is chosen and added to SIMPLer as type "operator" with the maximum rights allocated to any operator. Once this has happened, login details will be sent to the operator's email and they can log in and add other users to the system, adjusting rights on a per user basis or creating user templates to use as a guide.

The **add a new user** function is located on the **settings** tab in SIMPLer. Click on **settings** as demonstrated in fig. 3.4-1.



Fig. 3.4-1 Settings Tab

An add a new user option will appear on the left-hand menu. Click on this as per figure 3.4-2.



Fig. 3.4-2: Add a new User

There are two sections on this page. The **user details** section is shown in figure 3.4-3 and described below.

- 1. **Main details**: Must be populated with accurate information on desired userID (e.g smithj), valid email address of user, user's full name, status: "user" for any user in SIMPLer system, if "operator" is chosen, this user will have the rights to add new users. WISP should default to your own instance name. Langauge: choose us\_english for users based in the United States. Phone number and skype address should be entered if known.
- 2. New password: Specify a password, if not specified the system will generate one at random.

- 3. User Rights template: You can create a template from the settings applied to this user's account and this template can be used for other users going forward. Example: Sales team, billing team, etc. Alternatively, you can choose to "override user rights with" an existing template, and the user will always have their rights overridden by the template in question.
- 4. Other Details: In this section you can personalise some display options on a per user basis.
- 5. **Sales Items**: Value Added Reseller, Master Agent and Regional Sales Manager can be assigned here, if previously added in the system.

Main Details		Other Details	4
Iser ID		Landing Page	Customer Search Page 💠
Aail		Change Default Search Option	Standard (Name, Nickname, Invoicing ID)
ull Name		Recently Viewed Customer List	
itatus	(3) User	Displayed By	Display Name
WISP	azotel 🗘	Numbers to be displayed	4 \$
anguage	english 🗘		
Phone			
Skype			
New password tyou do not specify a passwo See's details will be automat	yrd, one will be generated automatically ically sent texne email address provided	Sales Items 5	>
2 New password f you do not specify a passwu Jac's details will be automat Password	ord, one will be generated automatically Ically sent to me email address provided	Sales items 5 Value Added Reseller	
2 New password (you do not specify a passw Visers details will be automat Password Confirm	ord, one will be concrated automatically cally sent to the email address provided	Sales Items 5 Value Added Reseller Master Agent	•
2 New password You do not specify a passw Jose's details will be automat Password Confirm Expiration Days	ord, one will be generated automatically ically sent to me email address provided	Sales Items 5 Value Added Reseller Master Agent Regional Sales Manager	•
2 New password Tyou do not specify a passw Discrs details will be automat Password Confirm Expiration Days	ord, one will be concrated automatically cally sent to me email address provided	Sales Items 5 Value Added Reseller Master Agent Regional Sales Manager	•
2 New password (you do not specify a passw Siver details will be automat Password Confirm Expiration Days	ord, one will be concreted automatically cally sent to the email address provided	Sales Items 5 Value Added Reseller Master Agent Regional Sales Manager	•
New password fyou do not specify a passw Users details will be automat Password Confirm Expiration Days User Rights Template Use as a Template	ord, one will be generated automatically ically sent to me email address provided	Sales Items 5 Value Added Reseller Master Agent Regional Sales Manager	•
2 New password Tyou do not specify a passw Discres details will be automat Password Confirm Expiration Days User Rights Template Use as a Template 7 Template Name	ord, one will be concrated automatically (cally sent to me email address provided	Sales Items 5 Value Added Reseller Master Agent Regional Sales Manager	•
2 New password (You do not specify a passw Ser's details will be automat Password Confirm Expiration Days User Rights Template Use as a Template Template Name Diverride User Rights with:	ord, one will be operated automatically (cally sent to the email address provided	Sales Items 5 Value Added Reseller Master Agent Regional Sales Manager	
2 New password Tyou do not specify a passw Disc's details will be automat Password Confirm Expiration Days Jser Rights Template Jse as a Template 7 Template Name Override User Rights with:	ord, one will be generated automatically cally sent to me email address provided	Sales Items 5 Value Added Reseller Master Agent Regional Sales Manager	

Fig. 3.4-3: User Details

**User Rights** section is shown in figure 3.4-4 and individual rights are described in the table in figure 3.4-5.

## AZOTEL S03-03 v201 (2017-11)

28

#### **User Rights**

Clear All Rights Select	ct All Rights		Set Rights	from Template: \$
attachments	access 🥑	add 🇹	modify not-owned 🥑	billing information g
	network information g	maintenance 🥑	sales tracking 🥑	
billingissues	access 🥑	send 🗹		
credits	access 🥑	add 🥑	mod ify 🥑	
customers	access 🥑	Speadsbeets	modify 🛃	search 🚽
	view bank account	privatenote g	modify subscriptions g	free service @
	view EUP password 🥑	SAND - traffic 🕑	SAND - invoice 🥑	payment authorization codes 🖉
customfields	access 🥑	modify 🛃		
dashboard	access	debtor aging 🥑	cash flow projection 🚽	revenue 🧭
	arpu ø spreadsheet ø	form477 g	top20 g pipeline g	tickets
financialtools	access 🥑	cash flow 🥑	lock database 🥑	
gateway	WIB - access 🗸	WIB - modify 🖉	buckets - access 📝	buckets - modify 📈
	routes - access 🥑	routes - modify 🗹		
history	access 🥑			
hotspots	access 🥑	manage hotspots 🥑	manage products 🥑	add tokens 🖉
installers	access 🥑	add 🇹	modify 🥑	
installertracking	access 🥑	add 🇹	modify 🥑	list not-owned 🥑
invoices	access 🥑	delete 🥑		
lodgements	access 🥑	delete 🥑	modify processing date 🥑	
maintenance	access	send 🥑	only disti 🗆	modify not-owned 🥑
	azotel internal 🗹	access attachments 🥑	modify attachments 🥑	
maintenancetype	access			
map	coverage checker	coverage - view only 🖉		
network	access 🥑	mod Credentials 🥑	site costs 🥑	
notes	delete 🥑			
prepayments	access 🥑	add 🥑	modify 🥑	
products	access ø	add 🍠	modify 🍯	delete 🧭
radius	access 🥑	add 🥑	modify 🥑	
referafriend	access 🥑			
salesissues	access 🥑	e mails 🥑	modify not-owned 🥑	summary 🥑
salestracking	access 🥑	add 🥑	modify 🥑	see other members 🧭
settings	payment gateways 🛃	billing issue types 🅑		
stats	access 🥑			
tools	access 🥑	autoprovision 🥑	reboot wib 🕑	update wib 🖉
	update buckets 🥑	update services 🖉	topdump 🥑	zip 🖉
users	access 🛃	add 🕑	modify other	change operator
	operator details 🥑 gcontact 对	translations 🥑	gcalø	rights templates g
voin	800888.0			

Fig. 3.4-4: User Rights

Attac	hments
Access	<ul> <li>Displays "Last 5 Attachments" table on customer details page</li> </ul>
	• Allows access to the "Customer Attachments" page
	Allows access to the "Add/Modify Customer
	Attachments" page
	• Allows access to the "Site attachments" page
	Allows users to download an attachment
Add Medify not ewned	Allows users to add/modify an attachment
Mouny not-owned	Allows users to modify attachments created by other users
Billing Information	<ul> <li>Allows to access &amp; download an attachment with "billing information" required access right set</li> </ul>
Network Information	<ul> <li>Allows to access &amp; download an attachment with "network information" required access right set</li> </ul>
Maintenance	<ul> <li>Allows to access &amp; download an attachment with "maintenance" required access right set</li> </ul>
Sales Tracking	<ul> <li>Allows to access &amp; download an attachment with "sales tracking" required access right set</li> </ul>
Electronic documents	Allows to access & download an attachment from the electronic documents section
Billing	g Issues
Access	Displays "Billing Issues" button on customer
	landing page
	• Displays "Billing Issue Types" button under
	Allows access to the "Pilling Issues" page
	<ul> <li>Allows access to the "Billing Issue Types" page</li> </ul>
	<ul> <li>Allows access to the add/modify "Billing Issues"</li> </ul>
	page
Send	Displays "Send Billing Issues" button on landing customers page
Cr	edits
Access	Allows access to the "Customer credits" page
Add	Allows to add credit to the customer account
Modify	<ul> <li>Allows to modify existing customer credit</li> <li>Allows to assign credit to the invoice</li> </ul>
Cust	0000
Access	• Allows access man
ACC55	<ul> <li>Allows access to the "Customer Notes" page</li> </ul>
	<ul> <li>Allows access to the "Customer Usage Report"</li> </ul>
	page
	Allows access to the "Modify Templates" page
	Displays "Progress Bar"
	• Allows access to the "Customer Portal" section of
	customer account page
	<ul> <li>Allows access to the "Customers Status" page</li> <li>Display links to the systemer</li></ul>
	Display links to the customer accounts under     "Customers Status" page
	<ul> <li>Display links to the customer accounts under</li> </ul>
	"Customers Credits" page
	<ul> <li>Display links to the customer accounts under "Installer Tracking" page</li> </ul>
	• Display links to the customer accounts under
	"Payment Authorization Codes" page
	<ul> <li>Display links to the customer accounts under "Salesman Tracking" page</li> </ul>
	<ul> <li>Display links to the customer accounts under "Prepayments" page</li> </ul>
	<ul> <li>Displays button "Update and go to the customer XXXX page" under "Modify Maintenance" page</li> </ul>
	• Allows access to the "Pevenue/Customer" page

	<ul> <li>Allows access to view customer subscription on main customer account</li> <li>Allows access to the "Modify Salesman Task" page</li> <li>Allows to download VCard from customer account</li> <li>Allows access customers details page</li> <li>Displays "Add" button on "Salesman Task" page</li> <li>Allows to generate KML for Google Earth</li> <li>Allows access to "Send Email" page</li> <li>Allows to generate coverage graphs on google earth</li> <li>Allows access to the "Import External Subscription" page</li> <li>Allows to modify customer notes</li> <li>Allows to access Google Earth</li> <li>Allows to sync SIMPLer with Google contacts</li> <li>Allows access to the "Work Order Templates" page</li> </ul>
Add	<ul> <li>Displays "Add a new customer" button on customers landing page</li> <li>Allows access to "Add Customer" page</li> </ul>
Modify	<ul> <li>Displays "Display customers by status" button on customers landing page</li> <li>Displays "Change customer monitor status" button on customers landing page</li> <li>Displays "Change customer invoicing status" button on customers landing page</li> <li>Displays "Change customer 'marketing emails' status" button on customers landing page</li> <li>Displays "Change customer Tracking Definitions" page</li> <li>Allows access to "Customer Groups" page</li> <li>Allows access to "Maintenance Ownership" page</li> <li>Allows access to "Modify Customer" page</li> </ul>
Search	<ul> <li>Displays link to customer account from "Maintenance" page</li> <li>Displays link to customer account from "Salesman Task" page</li> <li>Displays customers search engine</li> <li>Allows to search for customer invoices</li> <li>Allows to list customers after search</li> </ul>
Mass email	<ul> <li>Displays "Mass mail notification" button on customers landing page</li> <li>Allows access to the "Mass mail notification" page</li> </ul>
Spreadsheets	<ul> <li>Displays "Download Customer Spreadsheet" button on customers landing page</li> <li>Displays "Traffic Spreadsheet" button on customers landing page</li> <li>Displays "Email Customer Spreadsheet" button on customers landing page</li> <li>Allows access to the "Aged Debtor Analysis" page</li> <li>Allows to export traffic spreadsheet</li> <li>Allows access to "Traffic spreadsheets" page</li> </ul>
Credit Card	<ul> <li>Allows access pop-up tool to pay off an invoice with credit card</li> <li>Allows access to the "Custom Credit Card Payment" page</li> <li>Allows access to the "Customer Credit Card" section of customer account</li> <li>Displays "Custom Credit Card Payment" button</li> </ul>

	under "Invoices" section
Bank Details	<ul> <li>Displays "Include Customers' Bank Details" checkbox on customers landing page</li> <li>Displays "Custom EFT Payment" button under "Invoices" section</li> <li>Allows access to "Customer Bank Details" page</li> <li>Allows access to the "Custom E-check Payment" page</li> </ul>
View bank account	Allows to view bank account numbers
Private Note	Allows to view customer private notes
Modify Subscriptions	Allows access to "Modify Subscription" page
Free Service	Allows access to "Modify Free Service" page
View EUP Password	Allows to view customer EUP password
SAND - traffic	Allows to access customer SAND Network section     under "Add/Modify Customer" page
SAND - invoice	Allows to access customer SAND Billing section     under "Add/Modify Customer" page
Payment Authorization Codes	Allows access to "Payment Authorization Codes"     section of customer account
CC/echeck transaction log	<ul> <li>Allows users to see the transaction log on the customer record to see payments made via a payment gateway and authorization / failure details</li> </ul>
Send sms	Allows users to send SMS to customers
Refund	<ul> <li>Allows users to send refunds via the payment gateway</li> </ul>
RADIUS - Access	<ul> <li>Allows users to see RADIUS details on the customer record.</li> </ul>
RADIUS – Modify Usernames	Allows users to modify RADIUS user names on a customer account
RADIUS – Modify Attributes/Groups	<ul> <li>Allows users to modify RADIUS attributes such as groups (speeds) on a customer account</li> </ul>
Network Details	Allows users to access the network details section     of the customer account
Modify subscription price	Allows users to modify the price on individual subscriptions on the customer account
Modify subscription premium	Allows users to modify the percentage premium on individual subscriptions on the customer account
Modify subscription discount	Allows users to modify the percentage discount on individual subscriptions on the customer account
Modify customer status	<ul> <li>Allows users to modify the customer status on a customer account, for example changing the customer from "current" to "post".</li> </ul>
Modify group	• Allows users to modify the group a customer is assigned to. Groups are operator created labelling that can attach a different set of settings to a customer in a group.
Custor	m Fields
Access	Allows access to "Custom Fields" page
Modify	Allows to modify custom fields
Dash	iboard
Access	Allows access to the "Dashboard" section

arpu	Displays "ARPU" tables and graphs
Spreadsheet	Allows to download "Statistics" spreadsheet from "Dashboard" section
Debtor Aging	Displays "Debtor Aging" graphs
Subscribers	<ul> <li>Displays subscribers tables and graphs</li> </ul>
Form 477	<ul> <li>Allows access to Form 477 pages</li> </ul>
Cash flow projection	<ul> <li>Displays cash flow projection graphs</li> </ul>
Top 20	Displays "Top20" tables
	Allows access to TOP 20 customers from     "Tools" section
Pipeline	<ul> <li>Displays "Sales Pipeline" graphs</li> <li>Displays pipeline details on "Sales Opportunity Type" page</li> </ul>
Revenue	Displays "Revenue" graphs and tables
Tickets	Displays ticket details.
Financ	ial Tools
Access	<ul> <li>Allows to download "Cash Flow Projection"</li> <li>XI S from "Invesional" continue</li> </ul>
	Allows access to the "Totals" pages
	<ul> <li>Allows access to the "Tax Zone" page</li> </ul>
	Allows access to the "Tax Rate" name
	Access to Customer statements
Cash Flow	<ul> <li>Allows to download "Cash Flow Projection" XLS from "Invoices" section</li> </ul>
Lock Database	<ul> <li>Allows to download "Cash Flow Projection" XLS from "Invoices" section</li> </ul>
Customer Statement report access	<ul> <li>Allows users to access the customer statement on an individual customer account</li> </ul>
Customer transactions report access	<ul> <li>Allows users to access the transaction report on an individual customer account</li> </ul>
Access – cash	<ul> <li>Allows users to access the cash report for their own user</li> </ul>
Download xls	<ul> <li>Allows users to download XLS financial reports</li> </ul>
Gat	eway
WIB - Access	Allows access to the WIB graphs
	Allows access to "modify WIB" page
	Allows access to free IP addresses of WIB
WIB - modify	Allows to modify WIB details
Buckets - access	Allows access to traffic shaping buckets
	<ul> <li>Allows access to buckets graphs</li> </ul>
Buckets - modify	Allows to modify traffic shaping buckets
Routes - access	Allows access to WIB routes
Routes - modify	Allows to modify WIB routes
U:,	story
Access	Allows access to the history section
Hot	snots

Access	Allows access to the "Customers" section of			
	Hotspot			
	<ul> <li>Allows access to the "Usage" section of Listenet</li> </ul>			
	Hotspot Allows access to the "Graphs" section of			
	<ul> <li>Allows access to the Graph's section of Hotspot</li> </ul>			
	<ul> <li>Allows access to the "Tokens" section of</li> </ul>			
	Hotspot			
	<ul> <li>Allows access to the "Products" section of</li> </ul>			
	Hotspot			
	Allows access to the "Stats" section of Hotsp			
	<ul> <li>Allows access to the Owners' section of Hotspot</li> </ul>			
	Hotspot			
Manage share plans	Allows users to manage share plans			
Manage Hotspots	<ul> <li>Allows users to add/modify hotspots</li> </ul>			
Manage Products	<ul> <li>Allows users to add/modify products of hotspot</li> </ul>			
Add Tokens	Allows users to add tokens to the hotspot			
Inst	allers			
Access	Allows access to the "Installers" page			
Add	Allows to add new installer			
Modify	Allows to modify installers			
Installer	Tracking			
Access	<ul> <li>Allows to download work order</li> </ul>			
	Allows access to the "Installer Tracking" page			
Add	Allows to add new installer tracking entry			
Modify	Allows to modify installer tracking entry			
List not owned	Displays Installer Tracking box on Maintenance page			
Inv	oices			
Access	<ul> <li>Allows to display &amp; generate invoices</li> </ul>			
	<ul> <li>Allows access to the "Customer Invoice" page</li> </ul>			
	<ul> <li>Allows access to the "Custom Invoice" page</li> </ul>			
MySIMPLer	Allows access to the voucher generation     section of SIMPL or			
Delete	Allows to delete invoice			
Lodg	ements			
Access	<ul> <li>Allows to create payment &amp; access pages to de that</li> </ul>			
	a Allows to update ledgements			
	Allows to access "Lodgements" page			
	Allows to lodge prepayments			
	Allows to view payment transactions			
Delete	Allows to delete lodgement			
Modify Processing Date	Allows to modify processing date on payment			
	pages			
Maint	tenance			
Access	Allows access to the "Maintenance" page			
	Allows access to the "Modify Maintenance"			
	page			

Send	Allows to send installer notification email				
Only Disti	Displays only Disti type maintenance issues				
Modify not owned	Allows to modify maintenance issues created by other users				
Access Attachments	Allows to access maintenance attachments				
Modify Attachments	Allows to modify maintenance attachments				
Maintenance Type					
Access	Allows to access & modify maintenance types				
N	Тар				
Coverage Checker	Allows to generate coverage checker				
Coverage – view only	Allows only to view coverage checker				
Net	twork				
Access	<ul> <li>Allows access to radius bucket usergroup</li> <li>Allows access to the "Equipments" page</li> <li>Allows access to the "Provision w/o CPE" page</li> <li>Allows access to the "Sites" page</li> <li>Allows access to the "Gateways" page</li> <li>Allows access to the "Email/FTP" page</li> <li>Allows access to the "CPE" tool pop-up</li> <li>Allows access to the "Modify Basestation" page</li> <li>Allows access to the "Modify Equipment" page</li> <li>Allows access to the "Interfaces" page</li> <li>Allows access to the "Delete Unused Equipment" page</li> <li>Allows access to the "Delete Unused Equipment" page</li> <li>Allows access to the "Modify Usage" page</li> <li>Allows access to the "Modify Usage" page</li> <li>Allows access to the "Modify CPE" page</li> <li>Allows access to the "Modify Interface" page</li> <li>Allows access to the "Modify Interface" page</li> <li>Allows access to the "Modify Interface" page</li> </ul>				
ModCredentials	Allows to update equipment details				
Sita Conta	Displays Site costs field				
Delete Equipment	Allows users to delete equipment from     SIMPLer (CPE , base stations etc)				
Add Equipment	Allows users to add equipment to Network –     Equipment section of SIMPLer				
Update Equipment	Allows users to update equipment in Network     – Equipment section of SIMPLer				
Reboot Equipment	<ul> <li>Allows users to reboot equipment from the customer record, as a trouble shooting step</li> </ul>				
N	otes				
Delete	Allows to delete customer notes				
Prepa	ayments				
Access	Allows access to the "Prepayments" page				
Add	Allows to add prepayment				
Modify	Allows to modify prepayment				

Pro	ducts				
Access	<ul> <li>Allows access to the "Products" page</li> </ul>				
	<ul> <li>Allows access to the "Packages" page</li> </ul>				
	<ul> <li>Allows access to the "Campaign" page</li> </ul>				
<ul> <li>Allows access to the "Products &amp; Buckets"</li> </ul>					
	page				
Add	Allows to add product				
Modify	<ul> <li>Allows users to modify products</li> </ul>				
Delete	<ul> <li>Allows users to delete products</li> </ul>				
RADIUS					
Access	<ul> <li>Allows access any of RADIUS pages on the</li> </ul>				
	RADIUS tab				
Add	<ul> <li>Allows to add any of RADIUS details on the</li> </ul>				
	RADIUS tab				
Modify	<ul> <li>Allows to modify any of RADIUS details on the</li> </ul>				
Widdify	RADIUS tab				
Qu	otes				
Access	<ul> <li>Allows users to access and view quotes</li> </ul>				
Add	<ul> <li>Allows users to add and generate quotes to a</li> </ul>				
	customer record				
Modify	<ul> <li>Allows users to modify existing quotes on a</li> </ul>				
D-1-t-	customer record				
Delete	<ul> <li>Allows users to delete existing quotes on a customer record</li> </ul>				
Refer	a Friend				
Access	Allows access to the "Refer a Friend" page				
Sales	Issues				
Access	<ul> <li>Allows access to the "Sales Items" page</li> </ul>				
	<ul> <li>Allows access to the "Modify Sales Items"</li> </ul>				
	page				
Emails	<ul> <li>Allows to send "Sales Item Notification Email"</li> </ul>				
Modify not owned	<ul> <li>Allows to modify sales itoms created by other</li> </ul>				
Would not owned	Allows to modify sales items created by other Users				
Summary					
Sales T	Tracking				
Access	<ul> <li>Allows access to the "Salesman Tracking"</li> </ul>				
	page				
A 11	Allows access to the "Salesman" page				
Add	Allows to add Salesman				
	Allows to add Salesman Tracking				
Modify	Allows to modify Salesman				
Wouldy	Allows to modify Salesman Tracking				
	·				
See other members	Allows to view other salesmans and their tasks				
Set	tings				
Payment Gateways	<ul> <li>Allows access to the "Payment gateways"</li> </ul>				
	page				
Billing Type Issues	<ul> <li>Allows access to the "Rilling Issues Types"</li> </ul>				
Dining Type issues	Dade				
	P~3~				
Cron jobs - access	Allows users to access the cron jobs tab to				

Customer Groups	<ul> <li>Allows users to access the group settings</li> </ul>				
Tax Calculators	Allows users to visit and define tax calculators				
	(i.e Suretax)				
Trigger API	<ul> <li>Allows users to set and define triggers to</li> </ul>				
	external systems				
Sms Gateways	<ul> <li>Allows users to configure SMS gateways to</li> </ul>				
	send mass SMS				
Third Party Modules	<ul> <li>Allows users to set up third party modules (i.e USPS)</li> </ul>				
Electronic Documents	<ul> <li>Allows users to define electronic documents</li> </ul>				
	so that they can have customers sign				
contracts on their mobile device					
Stats					
Access	Allows access to any NHM pages				
	Allows access to old stats				
Т	aala				
Access	Allows access to the "Tools" page				
100055	<ul> <li>Allows access to the Tools page</li> </ul>				
Autoprovision	Allows to auto-provision customer				
Reboot WIB	Allows to reboot WIB				
Undeta WID	Allering to undete MUD files				
Opdate wib	Allows to update wild lifes				
Update Buckets	•				
Update Services	•				
Tcpdump	Allows to download tcpdump from WIB				
Zip	Allows to access "XIP codes" page				
Fetch Files	Allows users to access certain files (invoices				
	etc)				
U	sers				
Access	Allows users to access "users" page				
Add	Gives permissions to add new users				
Modify Other	Allows to modify other users details				
Change Operator	Allows a user to switch between instances				
Operator Details	Allows to view/update global Operator details				
Translations	Allows to access translation database				
gent	Allowe to poppo Coople Colorday factures				
gcai	Allows to access Google Calendar leatures				
Rights Templates	Allows user to use user right templates				
Gcontact	Allows to access Google Contacts features				
Disable Other	<ul> <li>Allows users to disable other users, for</li> </ul>				
	example when they are leaving the company				
Manage User Groups	Allows users to manage groups of other users.				
	For example to define a group of "support"				
	users to receive reminders from tickets.				
Ve					
Access	Allows access to the "VOIP" section				

Fig. 3.4-5: User Rights Definitions

Too add a new user in SIMPLer you must fill out the details requested as per fig. 3.4-3 and fig. 3.3-4 above. Once you are happy that all is set correctly, you can click **add** from the **user details** section and the log in credentials will be sent to the user in question. See fig. 3.4-6.

Back	Reset	Add	21

Fig. 3.4-6: Add a new User

User rights templates can be added on the settings tab by clicking on **add a user rights template** in the general section as per fig. 3.4-7 or by setting a user as a template as described in point 3 of fig. 3.4-3.

_	
	General:
	Add a new user
	Add User Rights Template
	Add/Modify WISP
	Downloads

Fig. 3.4-7: Add User Rights Template

# **ANNEX A: REFERENCES**

## A.1 DOCUMENT REFERENCES

- 06003 Azotel SIMPLer Billing Manual
- 06043 Azotel SIMPLer Operators Manual
- 07074 Azotel WIB-C Quick Start Guide

08005 Azotel SIMPLer Operator Support Procedure

## A.2 LINK REFERENCES

[L1] <u>http://www.azotel.com/</u>

# **ANNEX B: DEFINITIONS AND ABBREVIATIONS**

# **B.1 DEFINITIONS**

## **B.2 ABBREVIATIONS**

For the purposes of this document, the following abbreviations apply:

SIMPLer Azotel's integrated operators' platform

Date	Author	Subject/Comment	Old	New
23/10/09	ar	Original	000	001
11/11/09	oharej	Split out from "WIB-C Quick Start Guide"	001	002
12/11/09	ar	Updated images to be placed in-line	002	003
18/11/09	ar	Added manual installation process	003	004
26/07/10	keith	Emphasized and clarified the idea of an installer IP	004	005
20/06/11	oharej	Split out the WIB-C portions to separate doc	005	100
24/11/11	justyna	Updated screenshots	100	101
20/06/13	emma	Updated adding a user section	101	102
21/01/14	emma	Reviewed	102	200
03/11/17	emma	Updated Section 3.4	200	201

# **ANNEX C: CHANGE HISTORY**