How to register repeater and firmware update over air.

Register repeater

- Login to base.
 Select page "Repeaters"
 Select "Add Repeater"

SME VoIP	×	_ Ο Σ	x
← → C ③1	92.168.10.70/Repeaters.html	<u>ک</u>	2
	SME VoIP		^
Home/Status	Repeaters		
Extensions	Add Papaster		
Servers			
Network	Refresh		
Management	Idx RPN IPEI DECT sync source DECT sync mode State FW Info FWU Progress		

4. Select "DECT Sync mode"

Manually: Local Automatical: Chaining Automatical: User controlled by manually assign "Repeater RPN" and "DECT sync source RPN" Repeater controlled by auto detects best base signal and auto assign RPN. Base controlled by auto detects best base or repeater signal and auto assign RPN.

SME VoIP	×	
← → C ③1	92.168.10.70/EditRepeater.html?id=0&new=1	公 🔧
	SME VoIP	<u>^</u>
Home/Status	Repeaters	=
Extensions	DECT sync mode: Local Automatical Save	
Servers	Manually Local Automatical Chaining Automatical	
Network		
Firmware Update		
Time		
<		>

Manually mode

SME VoIP	× +	
← → C ()	192.168.10.70 /EditRepeater.html?id=0	\$ \$
	SME VoIP	
Home/Status	Repeaters	
Extensions	DECT sync mode: Manually Save	
Servers	RPN DECT sync source	
Network	RPN01 V RPN00 V	
Management		>

Select "RPN"

SINGLE CELL SYSTEM:

The base has always RPN00, first repeater will then be RPN01, second repeater RPN02 and third RPN03 (3 repeaters maximum per base)

MULTI CELL SYSTEM:

Bases are increment by 2² in hex, means first base RPN00 second base RPN04 etc., in between RPN01, 02, 03 addressed for repeaters at Primary base and 05, 06, 07 addressed for Secondary base (3 repeaters maximum per base)

Select "DECT sync source"

What base or repeater the repeater has to be synchronize on.

Example of 2 bases in chain and 2 repeater chains.

3 repeaters chained at Primary base.

Repeater1 Repeater2 Repeater3 RPN DECT sync source RPN RPN DECT sync source DECT sync source RPN01 🔽 RPN00 ¥ RPN02 🔽 RPN01 RPN03 🔽 RPN02 ¥ V

3 repeaters chained at Secondary base.

R	lepeater4		F	Repeater5]	Repeater6	
	RPN	DECT sync source		RPN	DECT sync source		RPN	DECT sync source
	RPN05 💌	RPN04		RPN06 💌	RPN05		RPN07 💌	RPN06

Idx	RPN	IPEI	DECT sync source	DECT sync mode	State	FW Info	FWU Progress
<u>0</u>		FF:FF:FF:FF:FF	RPNOO	Manually			
1		FF:FF:FF:FF:FF	RPN01	Manually			
2		FF:FF:FF:FF:FF	RPN02	Manually			
3		FF:FF:FF:FF:FF	RPN04	Manually			
4		FF:FF:FF:FF:FF	RPN05	Manually			
5		FF:FF:FF:FF:FF	RPN06	Manually			

To edit repeater mode - select index.



Local Automatical

Repeater				
DECT sync mode:	Local Automatical	~	Save)

Repeater controlled by auto detects best base signal and auto assign RPN. Repeater on base only, repeater on repeater (chain) not supported. Repeater RPN dynamic assigned in base RPN range.

Chaining Automatical

Repeater			
DECT sync mode:	Chaining Automatical	~	Save

Base controlled by auto detects best base or repeater signal and auto assign RPN. Repeater on base or repeater, repeater on repeater (chain) supported. Repeater RPN static assigned from base.

- 5. Check "Idx 0"
- 6. Select link "Register Repeater(s)"
- (Base open 5 minutes for repeater registration)

	Idx	RPN	IPEI	DECT sync source	DECT sync mode	State	FW Info	FWU Progress
	Q	RPN01	FF:FF:FF:FF:FF	RPN00 (-∞dBm)	Local Automatical			
Check All / Uncheck All With selected: Delete Repeater(s), Register Repeater(s) Deregister Repeater(s)								

7. Power on repeater placed near base.(default registration mode if production unit)LED green double flash:Registration mode - if not then press reset button for 4 seconds.LED green steady:Within a minute the repeater should be registered successful.LED red steady:Registration timeout, press reset button 4 sec. or power cycle repeater.

To see Repeater signal strength in handset enable "Site survey mode" via hidden menu. Press key: [MENU] *7378423*

Handset scans and list from left the RPN of base and repeater, below RPN is signal strength in -dbm.

Successful registration.

	Idx	RPN	IPEI	DECT sync source	DECT sync mode	State	FW Info	FWU Progress
	<u>0</u>	RPN01	00:5A:D8:5E:40	RPN00 (-30dBm)	Local Automatical	Present@RPN00	15	Complete

Firmware update (FWU) Repeater

- 1. TFTP firmware server, create directory "DECT4024" at same root as "Beatus" directory.
- Copy Repeater firmware "DECT4024_Vxxxx.fwu" to directory "DECT4024" 2.

ि	ftp://10.1.24.101/EwuPath/
<u> </u>	rep://io.i.24.ioi/rwurdui/

······································		
Name 🔺	Size Type	Modified
Beatus	File Folder	16/01/2012 16:26
- 🛅 DECT4024	File Folder	06/01/2012 13:48
Name 🔻	Size Type	Modified
🗔 DECT4024_v0010.fwu	167 KB FWU File	06/01/2012 13:47

- 3. Select page "Firmware Update"
- 4. Set "Firmware update server address" and "Firmware path" according to TFTP server installation.
- Type "DECT4024" firmware version.
 Press "Save"

	SME VoIP				
Home/Status	Firmware Update Settings				
Extensions		addresses 10.1.24.101			
Servers	Firmware path:	/FwuPath			
Network					
Management	Type UXP1240H HW ver 00	Required Version			
Firmware Update	UXP1240H	0			
Time	8630	0			
Count ry	DECT4024	15			
Web Security	UXP1240H	0			
Central Directory					

- 7. Select page "Repeaters"
- Select "Refresh" 8.

(Update FWU progress and FW Info)

Defendel.	
<u>Retresn</u>	

Idx	RPN	IPEI	DECT sync source	DECT sync mode	State	FW Info	FWU Progress
<u>0</u>	RPN01	00:5A:D8:5E:40	RPN00 (-26dBm)	Local Automatical	Present@RPN00	14	43%

After approx. 15 minutes FWU reached 100% and repeater reboots in new firmware version with progress complete.

Idx	RPN	IPEI	DECT sync source	DECT sync mode	State	FW Info	FWU Progress
<u>o</u>	RPN01	00:5A:D8:5E:40	RPN00 (-26dBm)	Local Automatical	Present@RPN00	15	Complete