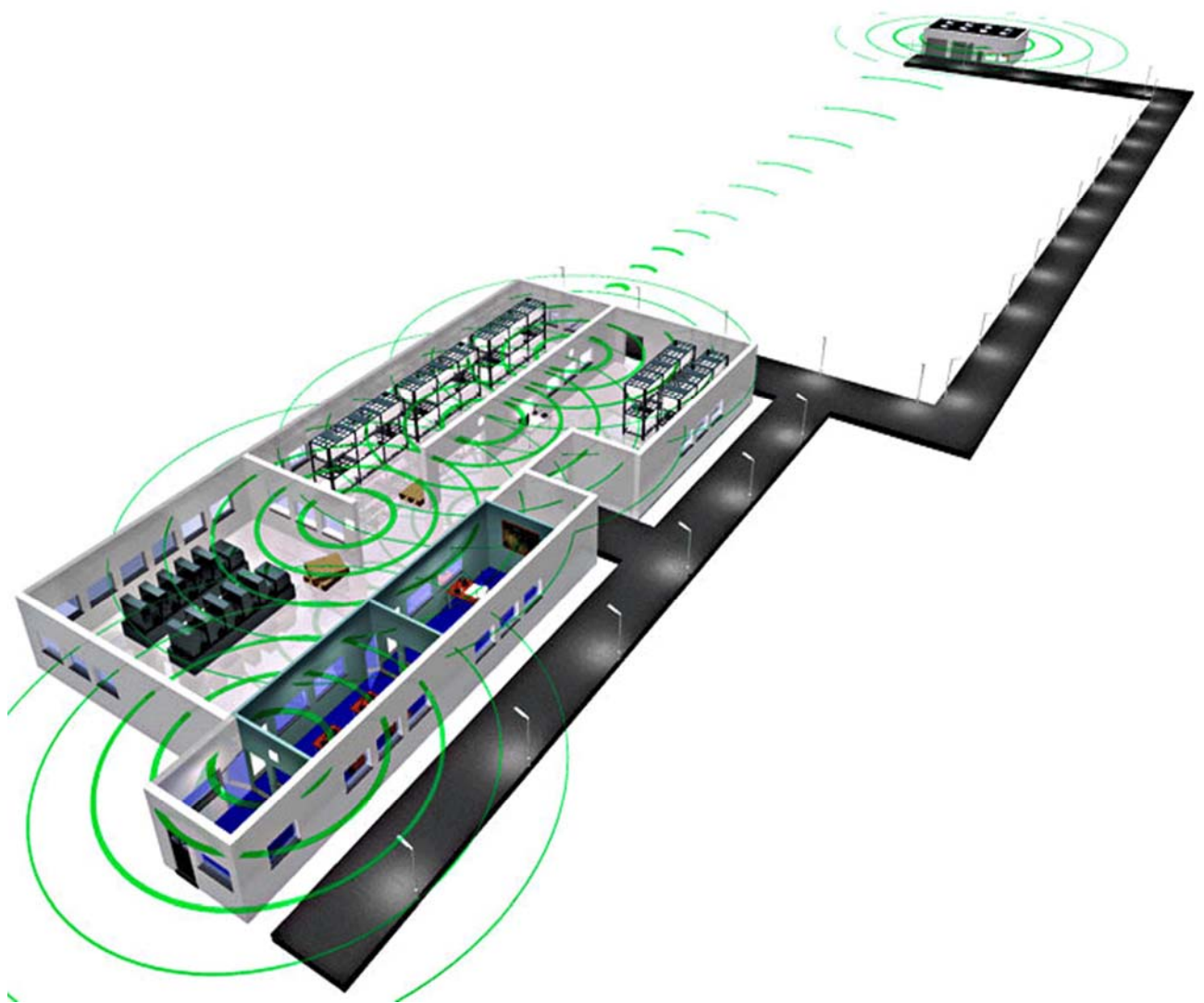


Polycom® KIRK Wireless Server 500 With CLIP

User Guide



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1.0 KIRK Wireless Server 500

The present User Guide has been prepared and published by Polycom. This User Guide describes the installation of the KIRK Wireless Server 500.

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Before installing the KIRK Wireless Server 500, please read carefully the present User Guide.

Attention

You will experience some inconsistencies between the product names used in the User Guide and the Administration Program and ServiceTool. Below is a list of the product names in question and their equivalent:

User's Guide	Application Software
KIRK Wireless Server 500	Dect system 500, CCFP, Control Unit
Administration Program	CCFP Administration Program

1.1 The Box Contains

- A KIRK Wireless Server 500.
- A power supply
- Quick guide.

1.2 KIRK Wireless Server Features

- Eight analogue (a/b) lines to be connected to the PBX.
- An RJ45 serial connection for messaging and a programming interface elsewhere referred to as RS-232.
- The capacity of up to 8 handsets and 6 simultaneous calls.
- Caller ID (CLIP) Displays Calling Number Identification of incoming call. (Only for variant supporting CLIP - only FSK Bell 202).

White list for PBX's that supports the CLIP functionality can be found at www.kirktelecom.com/Installer/suk219.asp

Important note on Caller ID (CLIP)

CLIP displays 12 characters (in case the number is longer than 12 characters, only the last 12 characters are shown. However the full number is stored in the CLIP stack).

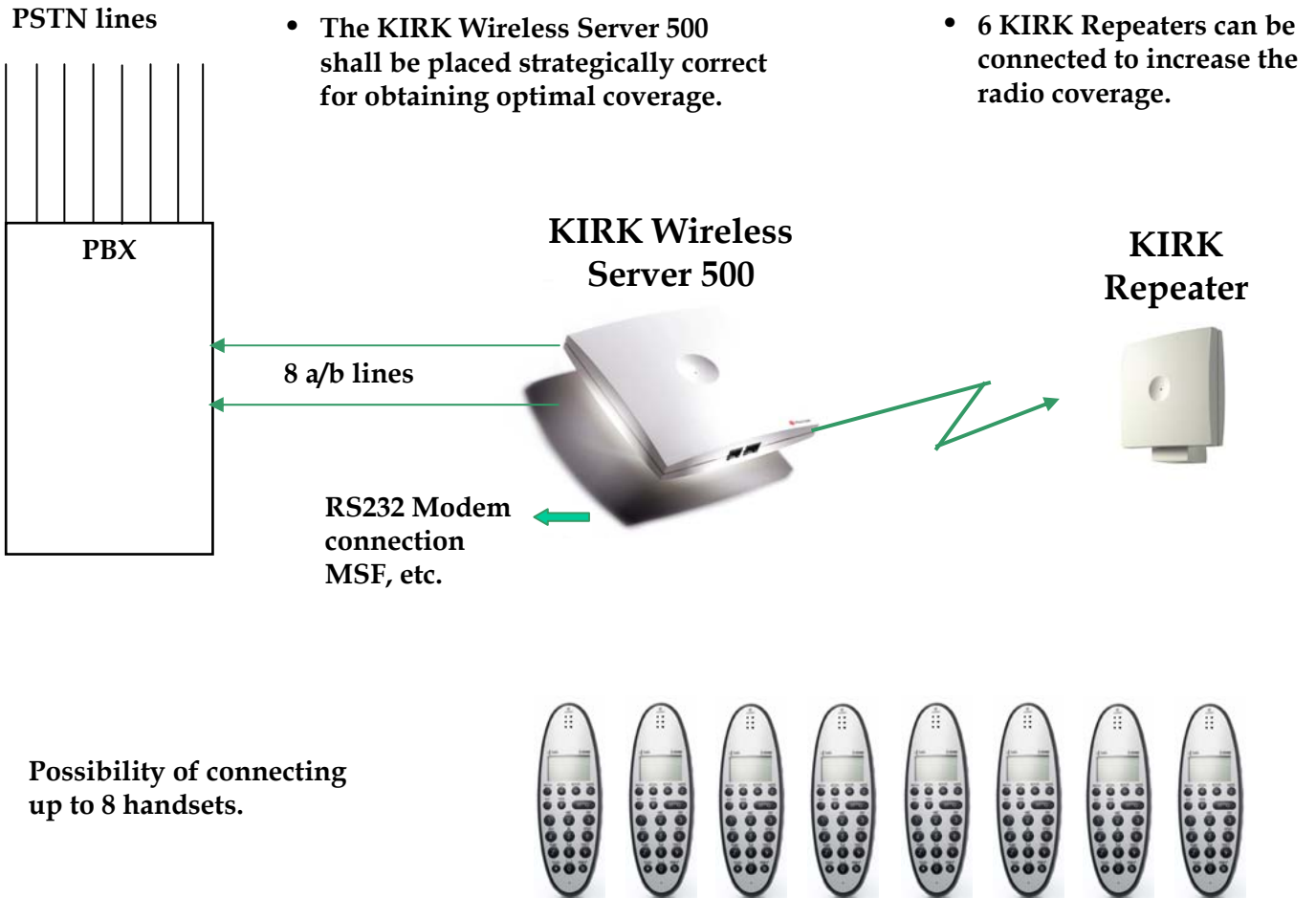
1.3 The Handsets

If you install the KIRK Solution without a PC connection, you will have to use a KIRK Handset as the Master Handset.

1.4 KIRK Repeater (Optional) Features

Up to 6 Wireless KIRK Repeaters can be added to the KIRK Wireless Server 500 to expand its coverage area. The KIRK Repeaters can be programmed on-site either by using a KIRK Handset or via the ServiceTool.

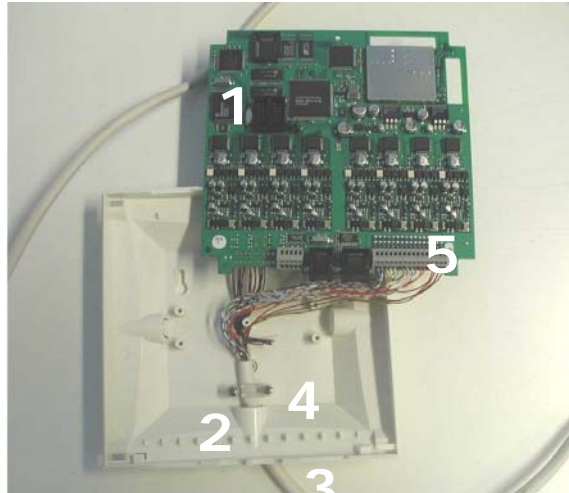
2.0 Components of the KIRK Wireless Server 500



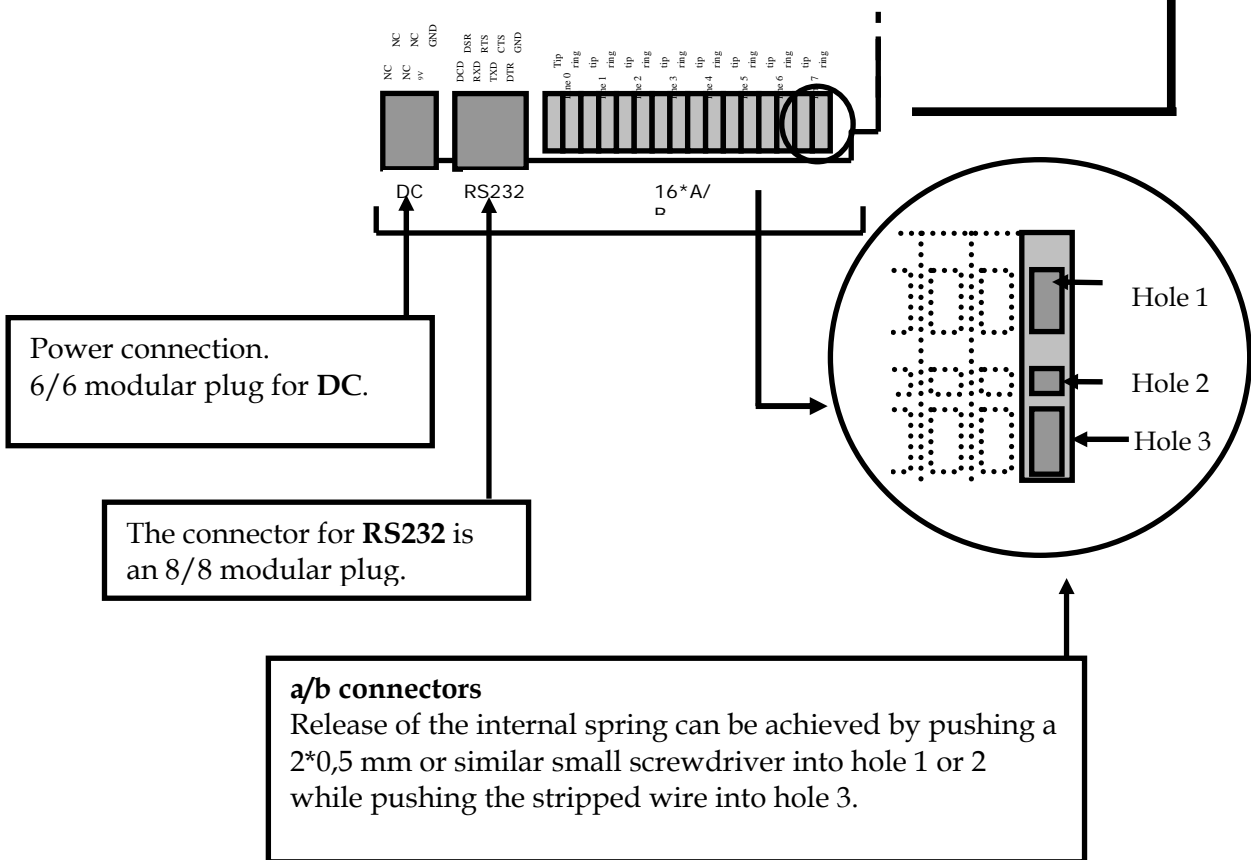
Up to six (6) KIRK Repeaters may be added to the system providing additional coverage whenever needed.

3.0 Wiring of the KIRK Wireless Server 500

3.1 Connections



1. Remove the PCB from the housing.
2. Remove the "break out" at the bottom of the housing.
3. Introduce the cable into the housing.
4. Secure the cable by the attached Cable Bracket/ screws.
5. Connect the wires into connector (see diagram below).



4.0 Programming Handsets on KIRK Wireless Server 500

4.1 Two Ways of Programming the KIRK Wireless Server 500

1. Either through a **MASTER** Handset.
Please note that the Master Handset programming can only be exercised by using a KIRK 3040 Handset or KIRK 40XX Handset.
2. or through the **Administration Program** installed on the PC (Please refer to section 8.0).
(Using the **Administration Program** allows subscription of any DECT GAP compliant Handsets).

4.2 Registration of the Master Handset

When powering up the KIRK Wireless Server 500 it will automatically enter into registration mode for a period of **15 minutes**. During this period you can subscribe the MASTER Handset. The registration mode is indicated by a fast flashing green LED on the KIRK Wireless Server¹.

It is now possible to subscribe the first handset.
(Will automatically be configured to channel 00).


1. Power up the handset by pressing the **OFF HOOK** key.
2. Press the **MENU** key.
3. Press the < until " *LOGIN* " appears in the display. Press √.
4. Press > key once. " *SUBSCRIPTION CREATE* " will appear in the display.
5. Press √.

The handset starts searching for "your" KIRK Wireless Server 500. When the handset finds the system, a number appears in the display, which should match the serial number on the rear of the KIRK Wireless Server 500.

If the handset detects more than one system, an arrow will appear in the bottom of the display indicating that you can press the > key.

It is now possible to scroll between the numbers in the display by pressing either the < or the > key.

¹ It is only possible to subscribe one MASTER Handset on each KIRK Wireless Server 500. The first handset subscribed will automatically become the **MASTER Handset**.

6. Press $\sqrt{}$ to confirm the ID number.
7. Press $\sqrt{}$ to confirm the AC Code and the system number (Each handset can be subscribed to 4 different systems). The display will show " *SUBSCRIPTION WAIT* " while the handset logs itself on to the system. A long tone indicates that the subscription has succeeded.
8. In the left corner of the display an antenna symbol  will appear indicating that the handset has been subscribed to the KIRK Wireless Server 500.

4.3 Entering the Extension Number

To allocate an extension number to the handset:

1. Press the **MENU** key.
2. Press the **>** key until " *EXT. Service* " appears in the display.
3. Press $\sqrt{}$. The menu will now show " *CLIP-Stack* ".
4. Press **<** key until " *Read/Write user data* " appears in the display.
5. Press $\sqrt{}$. The Serial Number of the **MASTER** Handset will now appear in the display.
6. Press $\sqrt{}$. Enter the extension number of the user of the handset.
7. Press $\sqrt{}$.
8. Press the **MENU** key to return to standby mode.

Right after this, the handset has to be turned off (by pressing and holding down the $\sqrt{}$ key) and then on again. The extension number appears in the display.

The first subscribed Handset is the **MASTER** Handset, i.e. you are now able to configure further handsets to the system via this handset.

4.4 Registration of Additional Handsets via the Master Handset

To register additional handsets **via** the **MASTER Handset**, the **MASTER Handset** has to "allow subscription" for each handset by registration of the serial number(s) of the new handset(s) on the system.

The MASTER Handset:

1. Press the **MENU** key.
2. Press the **>** key until " *EXT. Service* " appears in the display.

3. Press √. The menu shows " *CLIP-Stack* ".
4. Press the < key until " *Read/Write user data* " appears in the display.
5. Press √. The Serial Number of the **MASTER** Handset appears in the display.

To enter serial numbers of the additional handsets:

6. Press the > key, until an empty position has been reached (channel 1 – 7). If the position is empty, the display shows: " _____ ".
7. **Enter** the Serial Number of the new handset, e.g. 00077 01648224. (For KIRK Handsets you can find the Serial Number on the label behind the battery or by pressing the service code *99984* √/OK on the handset). Please note; the Serial Number *has* to be entered as continuous characters.
8. Press √.
9. The chosen channel number appears in the display.
10. **Enter** the extension number.
11. Press √.

The MASTER Handset has now registered new handset(s) with the corresponding serial number(s) to the system. You can now subscribe the additional handset.

By pressing the > key, additional handsets can be registered according to the procedure as above mentioned.

- Press **MENU** to go back to standby mode.


4.5 Subscription of KIRK Handsets

1. Power up the Handset by pressing the **OFF-HOOK** key.
2. Press the **MENU** key.
3. Press the < key until " *LOGIN* " appears in the display. Press √.
4. Press > key until " *SUBSCRIPTION CREATE* " appears in the display.
5. Press √. The handset starts searching for "your" KIRK Wireless Server 500. When the handset finds the system, a number appears in the display that should match the serial number on the rear of the KIRK Wireless Server.

If the handset detects more than one system, an arrow appears in the bottom of the display, indicating that you can press the > key. It is now possible to scroll between the numbers of

available systems in the display by pressing either the < or the > key.

It is important that the number shown in the display is identical to the ID number, indicated on the rear of the KIRK Wireless Server 500.

6. Press √ to confirm the ID number.
7. Press √ to confirm the AC Code and the system number (Each handset can be subscribed to 10 different systems). The display will show " *SUBSCRIPTION WAIT* " while the handset logs itself on to the system. A long tone indicates that the subscription has succeeded.
8. In the left corner of the display an antenna symbol  appears indicating that the handset has been subscribed to the KIRK Wireless Server 500.

4.6 Cancellation/De-subscription of a Registered Handset via the Master Handset

Use the MASTER Handset and

1. Press **MENU**.
2. Press **>** until "*EXT.Service*" appears in the display.
Press **√**.
3. Press the **<** key until "*Delete Userdata*" appears in the display. Press **√**.
4. Press the **>** key until the handset you would like to remove has been reached (channel 1 - 7).
The number should correlate to the serial number of the handset that is to be removed.
5. Press **√**.
6. Press **MENU** to go back to standby mode.

Please note:

The only way of removing the Master Handset is via the Administration Program.
(Please refer to section 8.4/8.5)

5.0 Deployment

5.1 Introduction

The **KIRK Wireless Server 500** supports **6 simultaneous conversations**. Two **KIRK Wireless Repeaters** are available: 2 channels for 2 simultaneous conversations at a time and 4 channels for 4 simultaneous conversations at a time.

KIRK Repeaters in chain - in the whole chain - supports either 2 or 4 simultaneous conversations depending on which type of repeater is used.

Before installing the KIRK Wireless Server 500 on-site, the number of simultaneous users within different areas of the site and the need of coverage area should be thoroughly discussed and agreed upon with your customer.

In co-operation with your customer you map out the areas in which the users typically are concentrated. According to this it is calculated whether or not additional KIRK Repeaters are needed and where they would have to be placed.

Please do not forget to consider whether or not it would be necessary to obtain 100% coverage at the site in question.

The final result of the performance of the system can only be satisfactory identified after the installation has been completed.

Before fulfilling the deployment, you would need a clear understanding of the material composition of the site of the installation, while some materials might reduce the signalling of the system.

Please be aware of

- **Metal surfaces:**
produce increased signal reflection and reduced signal pass-through.
- **Windows with reflective film or specialized glass:**
produce increased signal reflection and reduced signal pass-through.
- **Wire Meshes and Grills with apertures of less than 4cm:**
block signals as effectively as continuous metal sheet.
- **Fire Doors:**
block the signals.
- **Shadows:**
"shadows" may be created in parts of the building, i.e. there might emerge spots where no radio signals exist at all.
- **Weather conditions and seasons of the year:**
Different weather conditions might influence the stability of the radio coverage.
Parts of buildings getting wet might act as a shield to the radio coverage.
Different seasons of the year might also influence on the radio coverage.
At leafing foliage the trees in the surroundings of a building might change the radio coverage as a result of the shielding created by the leaves of the trees.

During measurement of the radio coverage you will also have to take the influence of the human body into consideration.

This can be done either by shielding the antenna with your hand or by rotating the handset and your body simultaneously in a way to achieve a “worst case” situation for reception of the radio signal from a given KIRK Wireless Server or a KIRK Repeater.

When deploying² you will have to move around with a KIRK handset³ in “testing mode” in the area to be covered by the KIRK Wireless Server 500 and the KIRK Repeater(s).
(Please refer to section 6.0).

Please notice fulfilling a thorough and careful deployment is essential for optimizing the handover between the KIRK Wireless Server 500 and the KIRK Repeater(s) before final installation of the system.

² = radio signal checking

³ not necessarily the Master Handset, but definitely a KIRK Handset

6.0 Radio Signal Checking – (Deployment) Test display

To start the deployment, power up the KIRK Wireless Server 500.

As mentioned in 5.0 you will have to move around in the area with a KIRK Handset in special “testing mode” to be covered when deploying as well as listening to the audio quality of the handset.

The KIRK Handset (subscribed to the KIRK Wireless Server 500) has to be used for checking the signal strength and quality being received securing proper handover.

Measuring the radio coverage can be done the following way.

The values to be checked are the Q-value and the RSSI-value whilst moving away from the KIRK Wireless Server 500 and/or the KIRK Repeater(s).

To start deploying, dial *99989* and press √ - and go OFF-HOOK.

Please note that the handset has to be subscribed to the system before starting deploying (Please refer to section 4.5) and the handset has to be in OFF-HOOK mode.

RPN: 02 03 04
RSS: 96 72 65
01 64 :2 140

RPN: is the **alternative** repeater or the KIRK Wireless Server 500⁴ number, e.g. repeater no. 02 or repeater no. 03.

RSS: refers to the **signal strength** (RSSI) from either the alternative KIRK Repeater or the KIRK Wireless Server 500.

01 ; the number indicates the **actual** number of the KIRK Wireless Server 500 or KIRK Repeater that the KIRK Handset has connected to. Please note that the KIRK Wireless Server 500 always has number 01.

64 ; refers to the **speech quality** (BIT ERROR RATE) of the signal received from the KIRK Wireless Server 500 or the KIRK Repeater.
Only the speech quality of the active connection is shown. Optimum level is 64 and should not be less than 52.
Be aware that this value has to be **stable** (not fluctuating).

:2 ; **RSSI** - refers to the **signal strength** from the actual KIRK Repeater or the KIRK Wireless Server 500 to which the KIRK Handset is connected. You will find the RSSI maximum level by

⁴ The value of the Wireless Server KIRK 500 is always 01.

standing close to the KIRK Wireless Server 500. Moving away from the KIRK Wireless Server 500 the value of the RSSI level might drop up to 20 dB and still having a satisfactory audio quality. If the handset shows :X it's not a failure, but an indication of the RSSI level being = 100 or higher. The indication :X has been made this way because it is only possible to show 2 digits in the display.

140 : Displays the **frequency** and the **timeslot** that the handset uses. Do not take these values into consideration during measurement of the radio coverage.

To **clear the display** press < and hold for 3 sec.

Please note:

The RSSI value given in the display is not a calibrated indication; i.e. the RRSI value may vary from handset to handset.

7.0 KIRK Repeater

7.1 The KIRK Repeater

In some situations you might need to expand the coverage area of the KIRK Wireless Server 500. A KIRK Repeater adds a larger area to the already existing coverage area.


Please note the following:

- *The KIRK Repeater does not add capacity, i.e. further channels, but only a larger coverage area.*
- *The KIRK Repeater can only be registered on the system when placed within the coverage area of the KIRK Wireless Server 500 itself or an already installed KIRK Repeater.*

The KIRK Wireless Server 500 contains 6 available speech channels in the coverage area of the KIRK Wireless Server.

A KIRK Repeater covers either 2 or 4 simultaneous speech channels depending on the model. A repeater, "borrows" the speech channels from the KIRK Wireless Server 500 and do **not** add additional channels to the system's 6 channels in total.

Each handset uses one channel when making a call – internal or external. Thus, in total 6 handsets are able to handle traffic simultaneously.

When 6 handsets are "in the air" the system sends out a busy signal. On KIRK Handsets a flashing antenna icon  in the bottom left side of the display indicates that the system is busy.

7.2 Two Ways of Programming the KIRK Repeater

1. Either through a **KIRK Handset**.
2. or with the **ServiceTool** (Please refer to section 9.0).

7.3 Connection of a KIRK Repeater to the KIRK Wireless Server 500 via a KIRK Handset

1. Power up the KIRK Wireless Server 500 and a subscribed handset.
2. Turn on the KIRK Repeater for more than 1 second and less than 5 seconds⁵. Turn off the KIRK Repeater and turn it on again. The KIRK Repeater is now in subscription mode (for 5 minutes) indicated by a fast flashing LED.
3. Press the OFF-HOOK key.
If the KIRK Handset is synchronized with the requested KIRK Wireless Server 500 the LED lights constantly⁶.
4. Select Radio Part Number (RPN).
Press a number on the handset in the range between 2 and 7. When the number has been accepted by the KIRK Repeater the LED flashes the number of times corresponding to the typed digit.
5. Accept subscription identities by pressing the *-key. When the key is accepted by the KIRK Repeater the LED indicates that by turning off for 2 seconds.
6. The KIRK Repeater now restarts with the new subscription identities in normal mode. The LED light constantly for 5 seconds and the KIRK Repeater is then ready to use.

⁵ In normal operation mode the LED lights constantly 5 seconds after powering up. Afterwards the LED flashes as long as the KIRK Repeater is unsynchronized and lights constantly when synchronized to the KIRK Wireless Server 500. Whenever a connection has been established via the KIRK Repeater, a short flash appears in the LED.

⁶ If the LED does not light after pressing the Hook-key or INT-key a few times, the KIRK Repeater has probably synchronized with another control unit than the one you searched for. Should this be the situation, the subscription procedure has to be repeated from step 2.

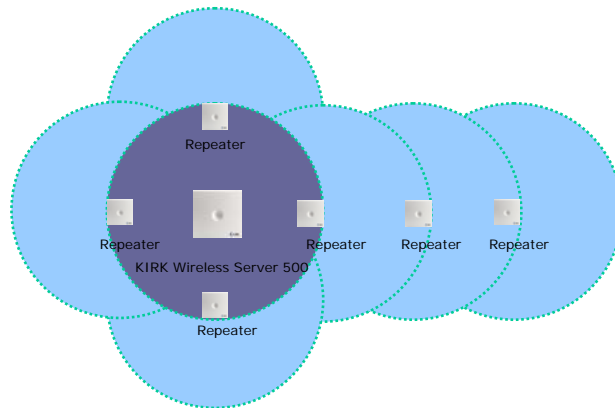
7.4 Examples of Different Ways of Installing KIRK Repeaters in solution based on a KIRK Wireless Server 500

7.4.1 Example 1

The KIRK Wireless Server 500 has to be located in the area where most of the phone traffic will take place. KIRK Repeaters in chain can be established.

Please note:

The KIRK Repeater chain can only handle 2 simultaneous calls if the 2 channel repeater is used or 4 simultaneous calls if the 4 channel repeater is used.



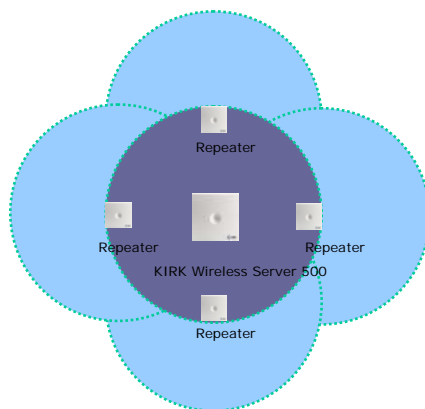
The remaining KIRK Repeaters increase the coverage area.

7.4.2 Example 2

The KIRK Wireless Server 500 can be placed centrally with KIRK Repeaters enlarging the coverage area around the outer edge of the premises.

Please note:

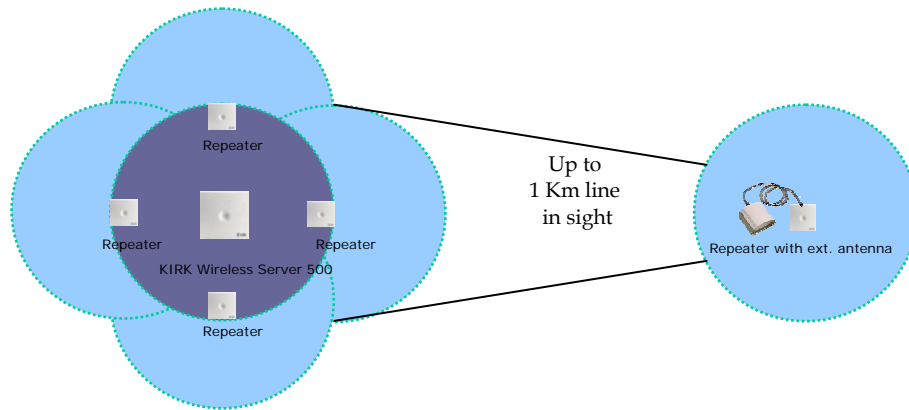
KIRK Repeaters have to overlap the coverage of the KIRK Wireless Server 500 for the system to work properly.



7.4.3 Example 3

Remote sites up to 1 Km (in line of sight) from the main site can be incorporated into the system by means of a wireless KIRK Repeater equipped with an optional external antenna amplifying the received signal from the KIRK Wireless Server 500 or the KIRK Repeater it is logged on to.

Please note! Only the 2 channel repeater has connection for an external antenna.



7.5 Increase of Traffic Capacity

Using KIRK Repeaters for creating radio coverage will result in some limitations as the KIRK Repeater, depending on model, is only able to transfer either 2 or 4 channels to a particular area.

Note on repeater overlap

If e.g. 4 channels are needed in an particular area two 2 channels Repeaters could be used connected to the KIRK Wireless Server 500. This situation can create problems if the repeaters are mounted close to each other.

The following situation will occur:

3 handsets are active (simultaneous) on two 2 channel repeaters. Handset no. 4 enters into the same area trying to establish a handover to the KIRK Repeater configuration or handset no. 4 goes off-hook in the repeater area.

Result

Handover to KIRK Repeater is not possible – the connection breaks down or if the handover takes place one of the 3 other handset will loose the connection.

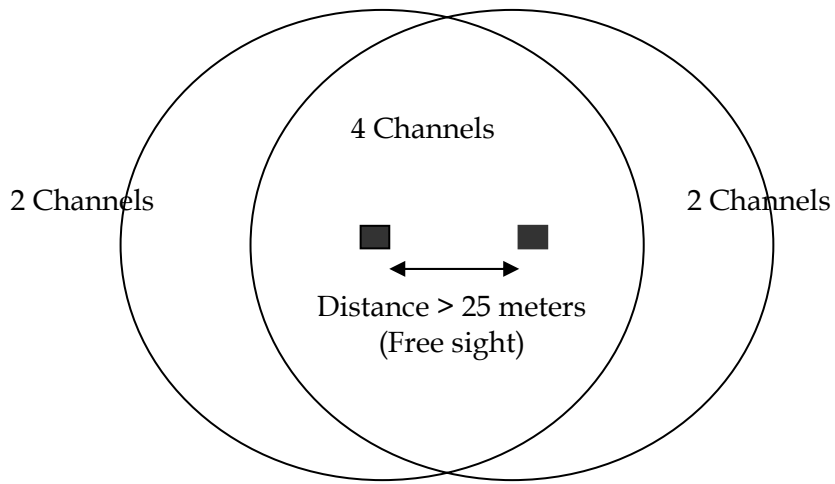
The same situation will occur if handset no. 4 goes off-hook inside the repeater area. Off-hook is not possible or if a off-hook is executed one of the 3 handset will loose the connection.

Reason

The reason for above mentioned result is that using 2 repeaters mounted next to each other will create a Hot-Spot – too many channels in the air at the same time.

This is due to communication between handset and repeater which will activate channels in the air between repeater and base station as well.

The way to overcome the phenomenon is to keep a distance between the repeaters similar to 25 metres in a free sight consideration.



8.0 Programming Handsets by Use of the Administration Program on a PC

You will need the **Administration Program** to program the KIRK Wireless Server 500 via this method. The program can be downloaded from www.kirktelecom.com/Installer/suk149.asp

8.1 Installation of the Administration Program on Your PC

1. Unzip the file to a new directory.
2. **Run** the setup.exe file from the new directory.
3. Follow the on-screen instructions for installing the Administration Program.
4. **Launch** the program to get all the files copied.
5. Start the Administration Program and follow the instructions to complete the installation.

8.2 Starting the Administration Program

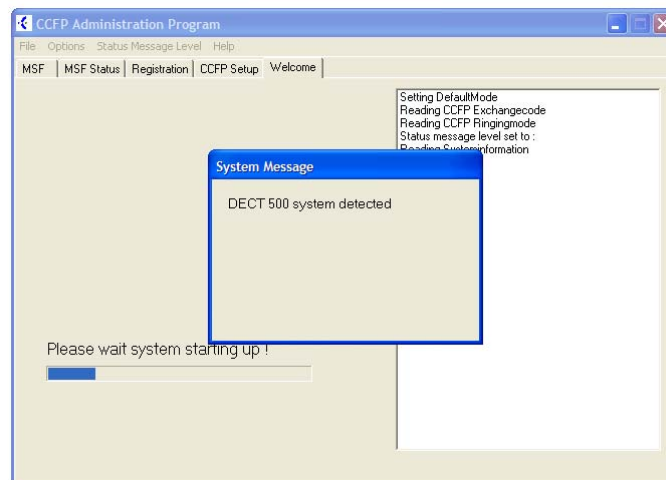
1. Ensure that the KIRK Wireless Server 500 is powered up and that the serial cable (null-modem cable) is connected. Please refer to the “RS232 cable layout” **11.0** section in this manual for configuration.
2. Click on the CCFP Administration icon.

Windows 95/98/2000/NT/XP: Located in **Start | Programs | CCFP Administration.**

1. A start-up window appears. The lower part of the window shows the current communication settings used for connecting to the KIRK Wireless Server 500.



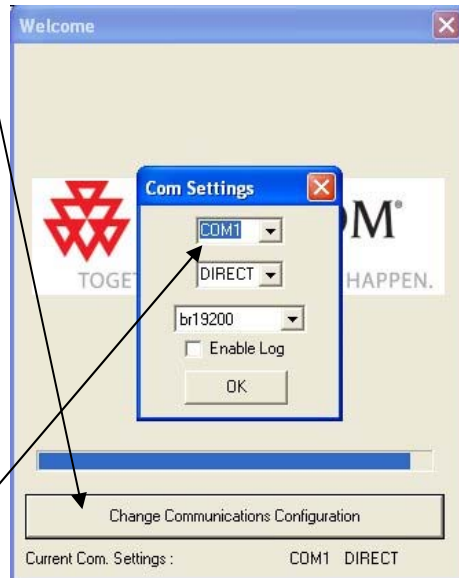
2. The moving bar across the window allows changing of the communication settings (see 8.3 "Changing the Communications Configuration") before it attempts to make the connection with the KIRK Wireless Server 500.
3. After a caution message (DECT 500 system detected), the main Administration Program screen appears.



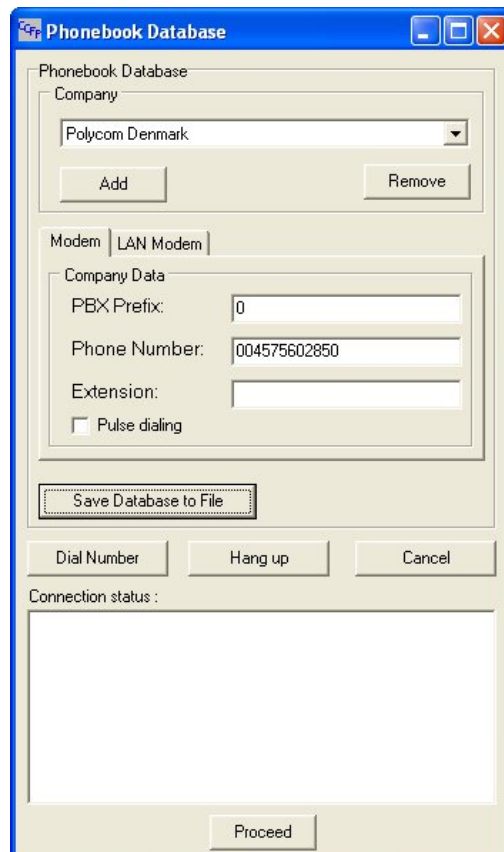
5. For direct communication (*Comport 1*) go to **8.4 Registering Handsets**.

8.3 Change of the Communications Configuration

1. Whilst the start-up window is shown, clicking on **Change communications configuration or the space bar** pauses the start up and displays the **Communications Set Up** menu.

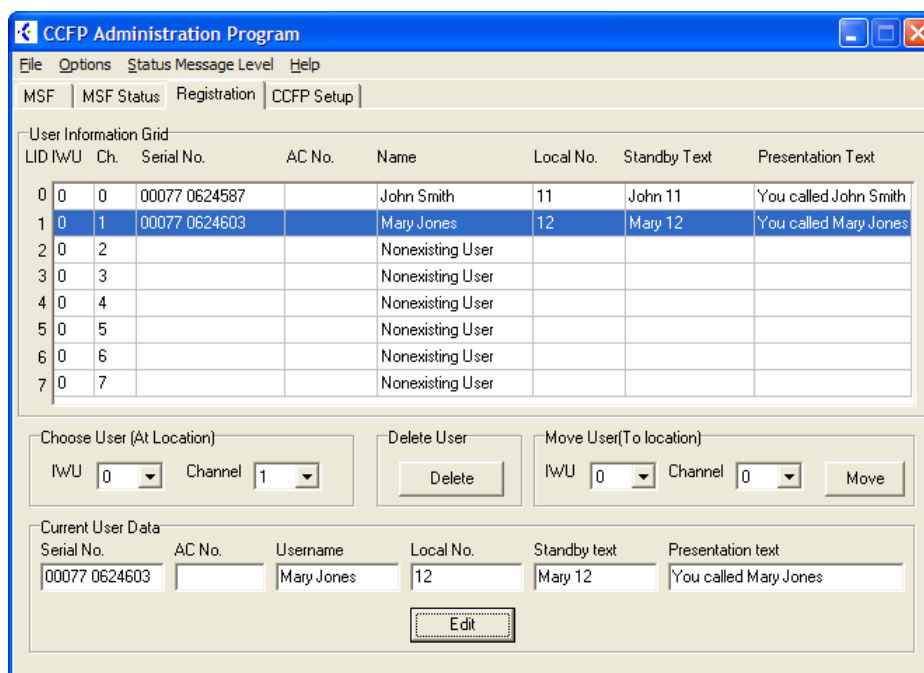


2. Set the **Com Port** to match the serial port of your PC connected to your KIRK Wireless Server 500 (Com 1-10 can be chosen).
3. Set the **Connection:** to the type of connection required.
If a **modem connection** is set, then a dial up screen will appear.



8.4 Registration of Handsets

The **Registration** page of the Administration Program displays all the information for registering handsets. The top sections of the screen show all the available channels and handset information. The lower part of the screen shows the settings for an individual channel. It provides you with the options of **Deleting** or **Moving** users.



8.5 Registration/Editing User Settings

In the **Create/Edit - Current User data** section, enter your information in the bottom line as required.

Please note:

The only way to **remove/delete** the Master Handset is via the Administration Program.

- **Serial No.:**

is the handset's serial number e.g. 00077 0624603. For KIRK Handsets you can find the Serial Number on the label behind the battery or by pressing the service code *99984* √/OK on the handset. It consists of a 5-digit handset type and then a 7-digit handset number separated by a space.

- **AC No.:**

is an option account code of up to 8 digits. If set, then the authorization code has to be entered as a part of the subscription process (AC:). This is usually kept blank.

- **User Name:**

may contain up to 10 characters. Shown in the display of the DECT handset called by the user.

- **Local No.:**

is the handset's extension number on the attached PBX.

- **Standby Text:**

may contain up to 24 characters. Shown when idle but in range of a KIRK Wireless Server 500. If followed by a space and \L the Local number is displayed as well.

- **Presentation Text:**

may contain up to 32 characters. Shown in the display of the DECT handset calling the user.

Please note:

User Name/Local no.: - sent to the called part as clip (internal call).

Presentation Text: - sent from the called part - to the calling part (internal call).

Example:

John Smith calls Mary Jones:

In the display of John Smith the **Presentation text** from Mary Jones “**You called Mary Jones**” will appear.

In the display of Mary Jones the **Name** and **Local number** of John Smith will appear “**John Smith 11**”.

The screenshot shows a window titled "CCFP Administration Program" with a menu bar (File, Options, Status Message Level, Help) and tabs (MSF, MSF Status, Registration, CCFP Setup). Below the tabs is a "User Information Grid" table with the following data:

LID	Iw/U	Ch.	Serial No.	AC No.	Name	Local No.	Standby Text	Presentation Text
0	0	0	00077 0624587		John Smith	11	John 11	You called John Smith
1	0	1	00077 0624603		Mary Jones	12	Mary 12	You called Mary Jones
2	0	2			Nonexisting User			
3	0	3			Nonexisting User			
4	0	4			Nonexisting User			
5	0	5			Nonexisting User			

8.6 Subscription of Handsets

Once the handset details have been entered into the Registration screen of the Administration Program, the handset can be subscribed to the system.

Please note:

Subscription is default set to ALLOW in the KIRK Wireless Server 500.

(Please refer to section 4.5 Subscribing KIRK Handsets)

For further use of the Administration Program please refer to the [Help file](#).

9.0 Repeater Programming via the ServiceTool on a PC

9.1 Installation of the ServiceTool on Your PC

This software, **ServiceTool**, is available from www.kirktelecom.com/Installer/suk149.asp as a zipped file.

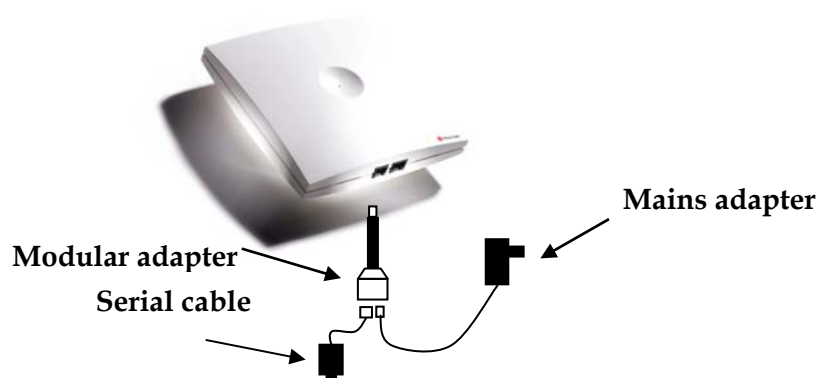
1. Unzip the file to a new directory.
2. **Run** the **setup.exe** file from the new directory.
3. Follow the on-screen instructions for installing the ServiceTool.

9.2 Connecting a KIRK Repeater for Programming

The KIRK Programming Kit for repeaters includes a phone socket double adapter and a serial cable.

**The serial cable incorporates special components,
DO NOT USE ANY OTHER SERIAL CABLE.**

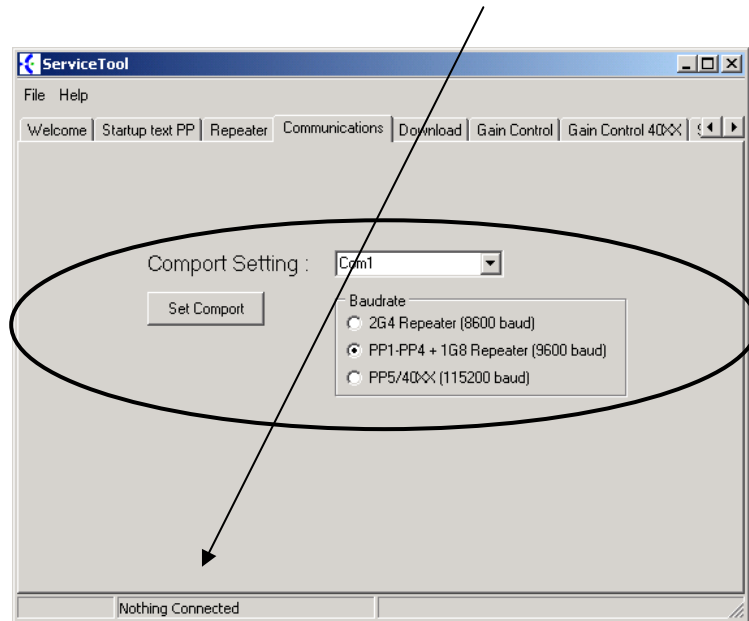
1. Use the double to connect the serial cable to the KIRK Repeater in parallel with the power supply connector. Ensure that the power supply is on.
2. Connect the serial cable to the PC on which the ServiceTool is installed.



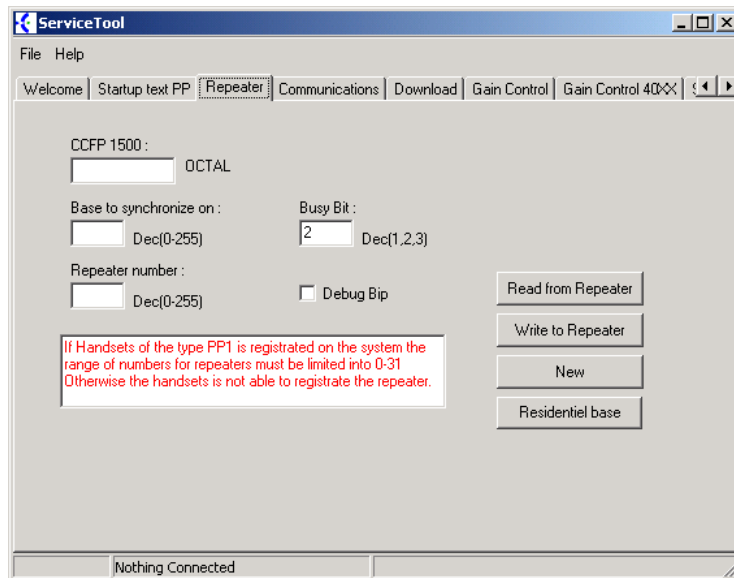
9.3 Configuration of a KIRK Repeater

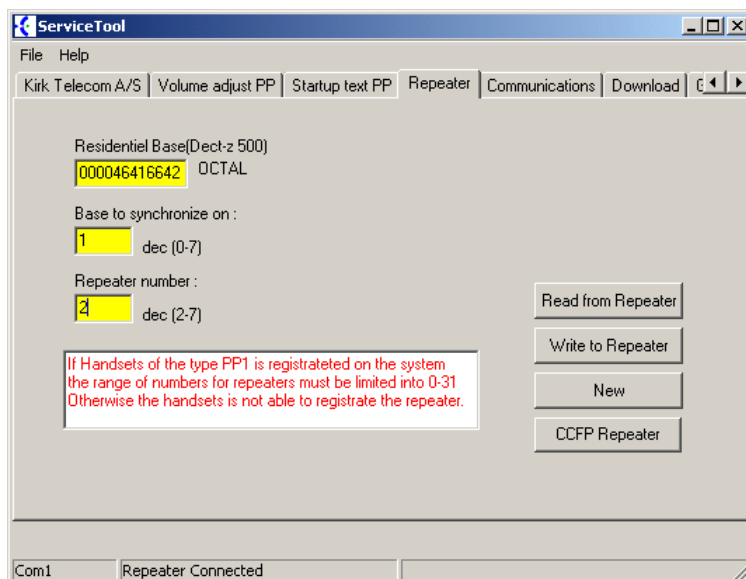
1. Start up the **ServiceTool** application.

2. Click on **Communication** and set the **Comport** (serial port) connected to the KIRK Repeater. Click on **Set Comport** even if the default setting is correct. Ensure that the KIRK Repeater is connected as indicated below.



3. Select Repeater tab.
4. Click on the **Residential Base** button.





5. Under the **Repeater** tab, enter the values required :

- **Residential Base (KIRK Wireless Server 500):** This is the serial number of the KIRK Wireless Server 500. It appears on the label on the rear of the KIRK Wireless Server 500, e.g. 000046416642.
- **Base to synchronize on:** The KIRK Wireless Server number. The KIRK Wireless Server 500 is set to 1 by default.
- **Repeater number:** The user assigned number for the KIRK Repeater. Each figure must be a unique number between 2 and 7.

6. Click on **Write to Repeater**.

7. Click on **New**.

8. Click on **Read from Repeater** and check that the values are as required.

9. Click on **Exit**. You can now install and use the KIRK Repeater.

For further use of the ServiceTool, please refer to the [Help file](#).

10.0 KIRK Wireless Server 500 CLIP (FSK)

Relevant for KIRK Wireless Server 500 CLIP - supporting CLIP (only FSK Bell 202).

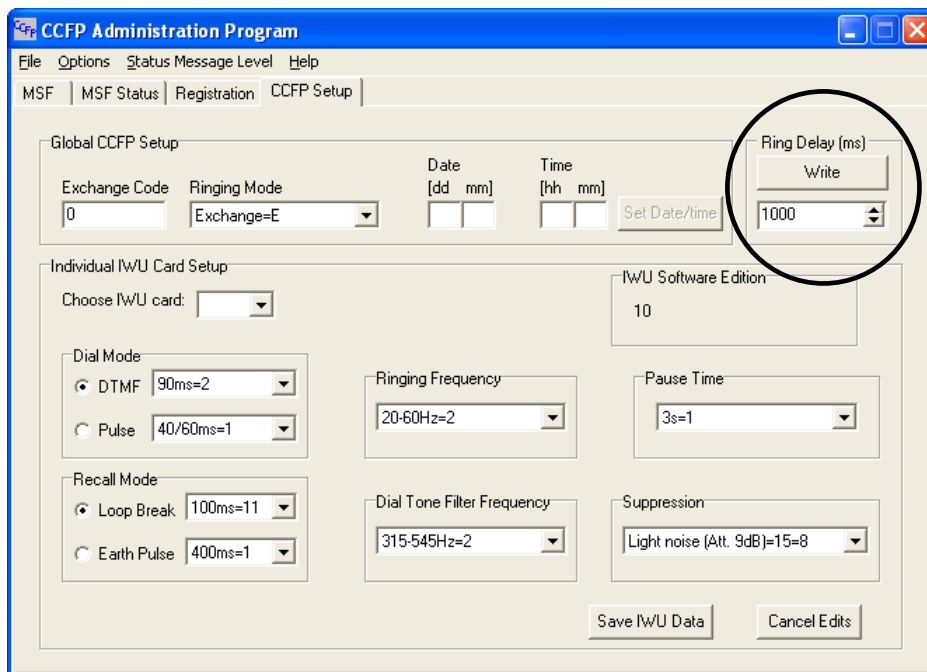
10.1 Ring delay adjustment

If FSK is sent between 1.st and 2.nd ring signal - a ring delay has to be set to avoid the KWS500CLIP to detect the first ring signal.

Note: Default value is set to 4 seconds.

Procedure for ring delay adjustment:

1. Ring delay value is written in ms.
Eg. 1000 ms=1 sec. ring delay.



2. Be aware that this ring delay is active on both external and internal calls.
If a parallel corded phone is connected directly to the same extension the first ring on the DECT phone will be delayed compared to the corded phone.
3. Power reset of KWS500CLIP has to take place – to activate the CLIP functionality again.
Information will be prompted by the CCFP Administration Program.

10.2 Transparency of the CLIP functionality

If KWS500CLIP is in one of the following modes the CLIP functionality is disabled.

1. Command Mode (Diagnostic, Command Mode)
2. Dump Mode (Restore of User data)

Power reset of the KWS500CLIP enables the CLIP functionality again.

10.3 KWS500CLIP on long distances

Placing KWS500CLIP a long distance from the PBX the system has to be earthen to the PBX to ensure that the CLIP is not interfered with noise.

Use a cable 0,5 square millimetre to connect KWS500CLIP to the PBX (earth).
The cable could be a part of the analogue lines (A/B wires).

10.4 Software upload KWS500CLIP

If software upload has to take place the CLIP module has to be removed from the KWS500.

10.5 Password Protection

Password Protection is not supported by KWS500CLIP including CLIP functionality.

11.0 KIRK Wireless Server 500 RED/GREEN LED Indications

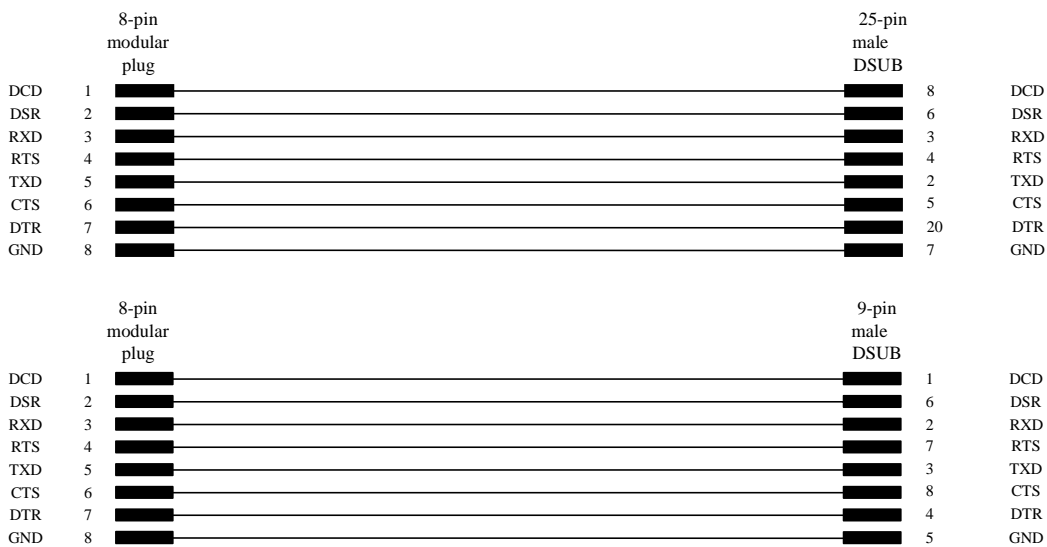
1. Fast flashing **green** means empty system with Subscription Allowed (Master Handset). This mode is active for 15 minutes.
2. Constantly **green** means in operation and ready for use and no active connections.
3. Slow flashing **green** means in operation with active connection(s).
4. Fast flashing **red** means empty system with Subscription (Master Handset) not allowed. The system enters into this mode after 15 minutes.
5. Slow flashing **red** means in operation with the maximum of active connections (Busy).
6. Continuously flashing **red/green** light means faulty situation, or in flash programming mode (Power up of the system with the 'BOOTSTRAP' jumper mounted).

12.0 RS232 Cable Layout

In the KIRK Wireless Server 500, the connector to the external is an 8-pole modular plug. In the other end of the cable a 25-pin male DSUB is used for connecting to a typical modem, and a 9-pin female DSUB when connecting to a PC or similar equipment. Please notice that the interface is used for short distance connection to the PC or similar equipment only.

12.1 Modem Cable Connection Layout

For connection to/from Modem to the system



12.2 Null-Modem Connection Layout

For PC Programming - connection from the PC to the system

