S6000 Palm Instruction Manual

TRANTEC SYSTEMS

Introduction to MicSetup:

The S6000 series is a wireless microphone system specifically designed for professional users who demand the highest quality and technical excellence from their equipment. To give you the flexibility you require in today's ever increasingly challenging industry the configuration of a S6000 system can either be performed by downloading files to and from the receiver and transmitter or by using a PDA running a version of Palm OS to transfer files with Micsetup.

The Micsetup utility has been designed primarily to configure the frequency and gain of the transmitter although there are various other features that it can configure that are detailed later.

- **Frequencies**

The S6000 system can operate on any frequency over a 70 MHz range on a 25 kHz grid and the transmitter can be configured to store up to 64 of those frequencies in its non-volatile memory.

In the UK, as in many countries throughout the world, frequency use is strictly limited to certain areas of the UHF spectrum; therefore it is very rare to have full access to the whole of the working range of the S6000 in one place. In the UK TV Channel 69 (854 – 862 MHz) is available nationwide and various other channels are available on a regional basis. An intermodulation free frequency set for channel 69 is programmed as the default set for the S6000 when supplied.

In order to create an intermodulation free set of frequencies a complex set of math has to be performed, this is best done with a computer program that is programmed with all the important parameters necessary. Once calculated the working set can be easily programmed into the receiver and beltpack. Once all the frequencies have been programmed into the beltpack they can be individually selected via a screwdriver adjust. More details can be found about this in the beltpack manual.

- **Gain**

The transmitter is digitally configured and has ten gain steps adjusting the gain for an input level between 0 dB and –20 dB. The

gain can be altered either via a screwdriver adjust on the transmitter or by the palm. As the link is via infra red the gain can now be configured from up to 30 cm away. This gives some flexibility when trying to alter gain for a performer in full costume.

- **Options**

Micsetup also gives the user access to various set-up options, which are detailed later in these instructions.

- **Hardware**

The number of PDAs which will run the Micsetup program, is continually being increased. A list of these devices appears in Appendix 1 as well as on our website. For the latest data on the Micsetup, the S6000 and the rest of the Trantec range please go to our website at http://www.trantec.co.uk

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Instructions:

- **Installation**

If this is a new installation, the “Micsetup-Install.prc” file must be uploaded to your Palm device. This can be done using the Palm Desktop ‘Install’ feature or it can be ‘Beamed’ from another Palm.

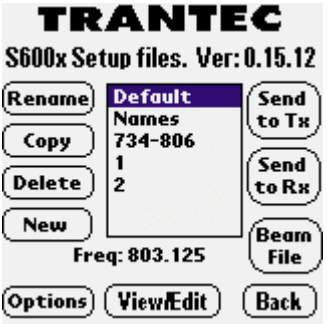
Once the file is uploaded, tapping the Icon will start an installer and the application will appear in the 'TRANTEC' category found under the top left menu.

You can now delete the Install package using the top right menu if you wish. (The Install package has a hyphen and an underscore as in the picture above.)

- **Simple operation**

Tap the Icon to run the start sequence. The screen opposite will then appear.

Tapping the ‘Files’ Button will load the file screen. You can view any file by tapping on the name and then the ‘View/Edit' button. This brings up the file detail screen. The initial S6000 transmitter frequency can be set by tapping on any row



N.B. When MicSetup is installed, a ‘Default’ File containing a set of compatible frequencies is also installed.

To transfer a file, the Palm should be no more than 30 cm from the device.

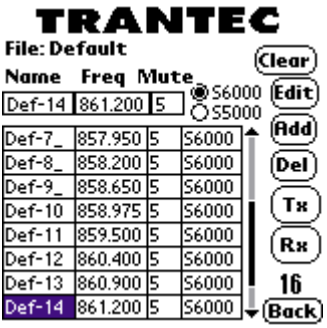
For a transmitter:

Point the Palm towards the infra-red window, tap the ‘‘Send to Tx' button. The transmitter screen should now go through a startup sequence and display your selected frequency.

For a receiver:

Press the selector wheel on the receiver front panel. Turn to highlight 'Settings' press to select. Turn to highlight 'Infra Red', press to select. Select 'Palm RX'. The receiver display should now show ' Looking for IR Device'.

Point the Palm towards the infra red window. After a



short delay, the receiver display should say 'Device Found-Press Send'. Tap the "Send to Rx' button.

That's it, your S600x is ready for use!

- **Creating a frequency File**

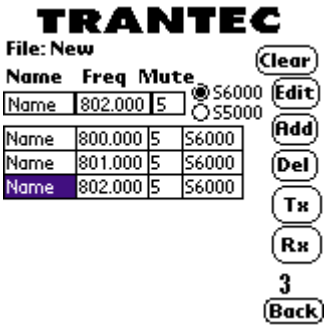
Tapping the 'New' button on the file screen will bring up a screen prompting you to enter a new filename. This can be done using the 'Keyboard' helper application or by using the Graffiti pad.

After you have entered a name, tap the 'Save' button. When the file has been created a prompt will ask you to enter a frequency into the file. Tap on 'OK', this will bring up the frequency Entry screen.

Tap on the centre text box to enter a frequency. Again, you may use 'Graffiti' or the Keyboard helper to enter values. You need only add a frequency value as a user name, a mute value and a device type will be added automatically if you omit them.

The Entry screen has an Auto-complete feature. You need not add trailing zero's to your frequency nor do you need to enter the decimal point. Your entry will be rounded to the nearest 25KHz value.

Tapping 'Clear' will clear the entry box. Enter your new data then tap 'Add' to add a frequency to the file. To edit a record tap on the row, edit the values in the boxes and tap on 'Edit' To delete tap on the row and then tap the 'Del' button.

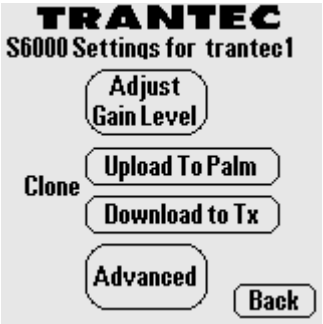


You can now program the S600x Tx or Rx with your frequency set as before.

If you use more than one Palm device for programming, you can transfer frequency files from one PDA to another. To do this, from the files screen you simply point the devices at each other and tap the 'Beam File' button. The receiving Palm will prompt to you accept the file.

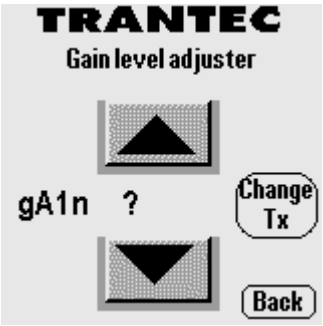
- **Changing S6000 settings**

Tapping the 'Settings' Button on the Start screen will take you to a screen where you can opt to change the transmitter gain value or enter the 'Advanced' settings.



Tapping the 'Adjust Gain Level' button will bring up the gain change screen as opposite. To adjust the gain, point the palm at an active S6000 Tx and tap the 'Change Tx' button. The Palm will then make a link to the S6000 and should display the current gain level.

If a number does not replace the '?', tap the 'Change Tx' button again. Once the link is established, tapping the up and down arrows will raise or lower the gain value.



Tapping the ‘Advanced’ button on the settings screen above will bring up a security screen as these values are password protected. The default password is “rik” .

This can be changed on the advanced screen by tapping the ‘Change Password’ button The password entry screen will reappear, enter the new password, tap ‘Update' to confirm.

Password protection can be disabled by tapping the tick box as opposite.

Tapping the 'Options' button will bring up the Options screen. Tapping on the checkboxes will toggle the option on or off.

1. **RF Output power select** – This option has been included because when setting up large multi-user shows that have the performers in close proximity to the receivers it is good practice to minimize the RF power output, thus maximizing the number of possible simultaneous channels. The higher power mode can be used when channel number the number of simultaneous channels is not an issue and / or when a greater range is required.

2. **Power LED Enable** - The blue LED can be turned if, during a performance in low light conditions, the power LED is visible.

3. **Battery display enable** turns off the battery display

4. **Power switch enable** - If there is a possibility of the unit being accidentally turned off, you can disbale the switch. In this case the unit can only be turned off by removing the battery.

5. **Manual selector lockout** prevents either the frequency or gain from being altered.

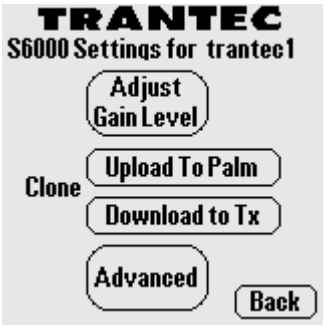
To Change the transmitter options:

Point the PDA at a transmitter, tap the 'Update' button.

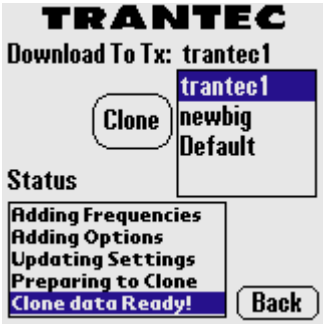
- **Clone mode functionality**

Clone mode has been designed to be able to store the complete configuration of any transmitter as a file. This is useful if it is necessary to quickly change any performers' transmitter pack without any setup. The usual practice is to have a file for each performer, which acts as their configuration "backup".

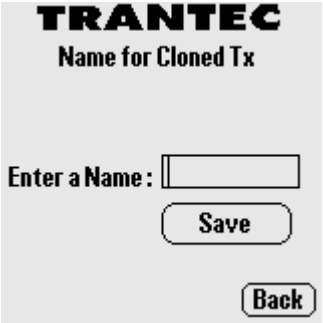
Clone mode is accessible in the S6000 settings screen. In order to download the transmitter file select "Download to Tx"



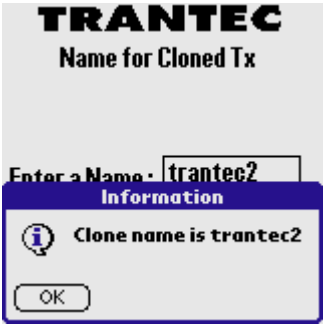
Select the file to transmit and point the infra red port on Palm at the window on the transmitter and press the Clone button. When the file is received successfully the transmitter will reset.



To upload a transmitter to the Palm press the "Upload to Palm" button, at this point the following screen will appear and prompt you to assign a name for the new file you are about to create.



After entering the new file name the following screen will appear



When this screen appears point the Palm infra red output at the transmitter infra red window and press the upload button. When a successful upload has been performed a series of text lines will appear on the screen and the file will have been created. The transmitter will not reset after a successful upload.

Appendix 1

PDA devices that currently support the micsetup utility
Running Palm OS4 with 8Mb RAM

PALM 130
PALM 505
PALM 515
Handspring
Sony CLIE

Running PALM OS 5.x.x

PALM Zire 71/2
PALM Zire 31
Sony TJ25/27
Treo 600 Smartphone

These devices can be purchased directly from Trantec , part number TBA, with the latest Micsetup code installed, or from most good computer vendors.