

WIRELESS MIMIC BASE

Part No:

- **MB3000P**

Version 4: USB Port, Password Protected
with dedicated GSM Modem Output



TABLE OF CONTENTS

Specifications & Features

Wiring Diagram

Mounting Hints

[1] Time / Date Setup.....

[2] Adding / Deleting Remotes.....

[3] Adding / Deleting Custom Text per Remote.....

[4] Setting Relay Time.....

[5] Adding / Deleting Repeaters.....

[6] GSM Numbers.....

[7] Change PIN Number.....

Memory Event Reports.....

Software Versions Done.....

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Specifications and Features



Features: Mimic base

- Utilized secure Code hopping encryption.
- 1000-User(remote control) memory capability.
- 16 Character custom programmable text.
- Back lit clear 20x4 LCD display.
- Real time and date clock event logging.
- 250 Event logging of internal memory.
- USB2 .0 Computer coms port plus software.
- RS232 dedicated Wavecom coms port.
- Internal buzzer.
- Two(2) Dry Relay contacts.
- 12v DC operation.

Applications:

- Shopping centre Panic system.
- Frail care Nurse call system.
- Housing estate Alarm monitoring.
- Office park Alarm monitoring.
- Yacht club Alarm monitoring.
- Resort chalet Alarm monitoring.



Specification

Dimensions: (LxBxH)...70x40x16mm
 Weight:.....1.4kg
 Voltage:.....12v - 14vDC
 Current draw:.....86 mA
 Operating temp:.....0 to +49 C

Software features

- Complete Back-up feature of entire system.
- Run event reports.
- Install pre-backed up file.
- Programming custom 16 Character text to be displayed.
- Programming of numbers for the S.M.S reporting.



For infield backing up of the Mimic-Bases Remote controls learnt in instead of using a P.C.

24LC256/25L256 microchip memory clone.



Wavecom "Wisimo" GSM Modem. Used to send sms reporting.

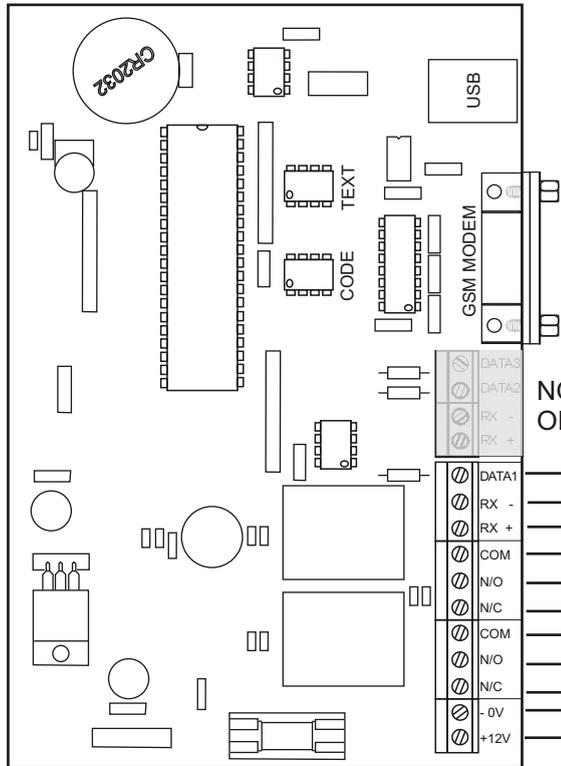
Order Codes:

Mimic Base unit kit with power-pack	MB3000P
Panic button remote	PTX1
Wisimo GSM modem with aerial	WISIMO
Clone memory copier board	CLONE
Power pack 1,5amp 13.8V DC	1,5AMP



Power-store 12v DC. 1,5Amp rated.

□ Wiring Diagrams



MB3000P_VERSION4

Model: ASKDRX
Data Receiver

Note:
Use mylar 4 core screened cable
for best DATA transfers.

NOT IN USE
ON THIS MODEL

- COMMON
- NORMALLY OPEN
- NORMALLY CLOSED
- COMMON
- NORMALLY OPEN
- NORMALLY CLOSED

NEGATIVE

+12V

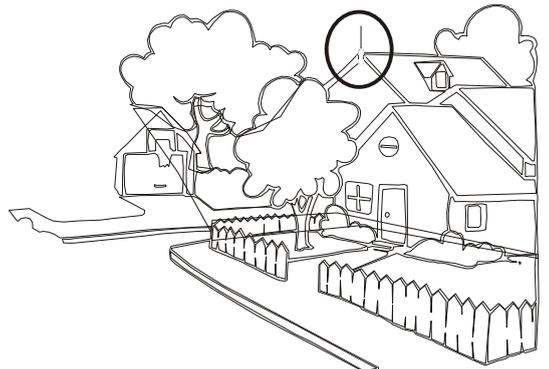
Mounting Hints



DO NOT:

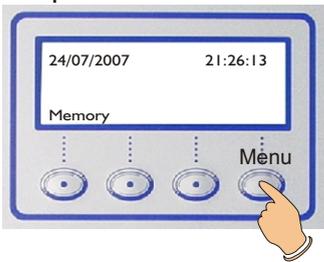
Mount the Data Receiver up against or next to the Metal Chassis of the MB3000. This may lead to reduced range and poor sensitivity. The Data Receiver unit is designed to be mounted away from the MB3000.

For the best possible range, mount the Superheterodyne Data Receiver as high as possible. Use a good quality screened cable. Do not run more than 100m. Avoid running the cable near electric fence wires or HT cables.



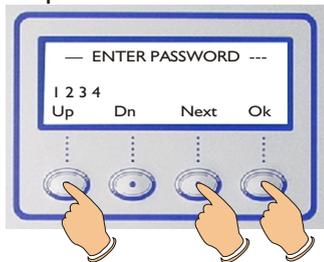
□ [1] Time / Date Setup.

Step1



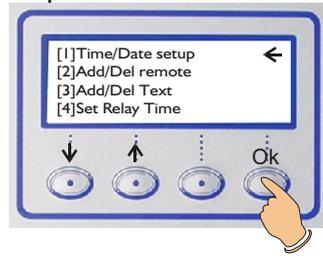
Press the far right button to enter the Main Menu.

Step2



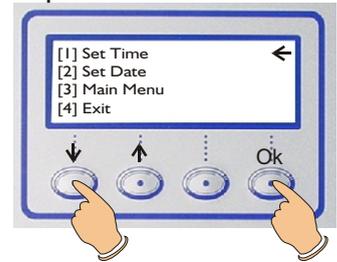
Use the **Up, Down** and **Next** button to enter the PIN no: The default is 1;2;3;4. Pin no's can be changed in the Main menu in option [7]

Step3



Press far right **Ok** button
The Arrow must point at :- [1] Time / Date Setup

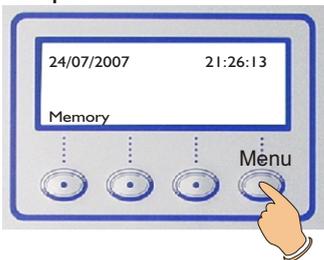
Step4



Select either **Time** or **Date** and then press **Ok**. Then do the change followed by pressing **Ok**. Move the Arrow to "**Main menu**" or "**Exit**" followed by the far right **Ok** button.

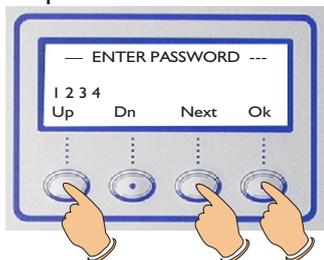
□ [2] Adding / Deleting Remotes.

Step1



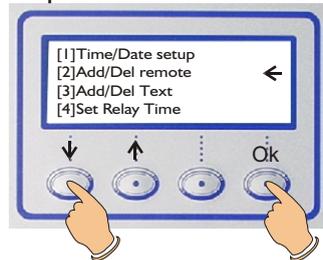
Press the far right button to enter the **Main Menu**.

Step2



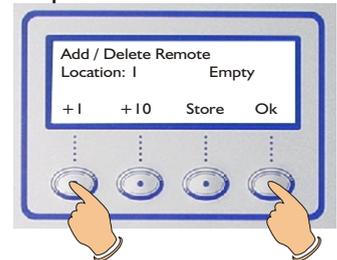
Use the **Up, Down** and **Next** button to enter the PIN no: The default is 1;2;3;4. Pin no's can be changed in the Main menu on option [7]

Step3



Press far left to move the Arrow down to [2], then press the far right button.

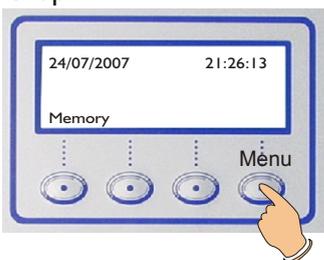
Step4



Press either **+1** or **+10** to select the Location: you want to Store a remote to. Press **Store** followed by the remote. "Empty" will change to "Full" You can Erase programmed remote from a location if you press the Erase button. Press **Ok** to take you back to the Main menu.

□ [3] Adding / Deleting Custom Text for each remote.

Step1



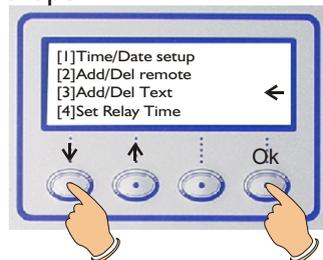
Press the far right button to enter into the Main Menu.

Step2



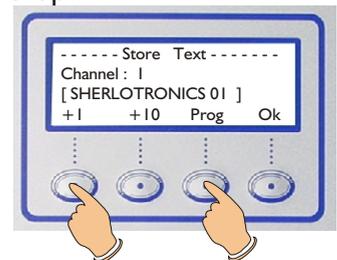
Use the **Up, Down** and **Next** button to enter the PIN no: The default is 1;2;3;4. Pin no's can be changed in the Main menu in option [7]

Step3



Press far left button to move the Arrow down to [3], then press the far right **Ok** button.

Step4



Press either **+1** or **+10** to select the Channel you want to Program Text to, then Press **Prog**. If you have gone past your Channel No, Press **Ok** twice to restart the process.

Step5



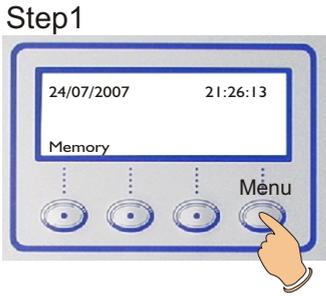
Press the **Up / Down** button to change the Letters, then press **Next** to move the pointer. Press **Ok** to return to the previous menu.

Step6

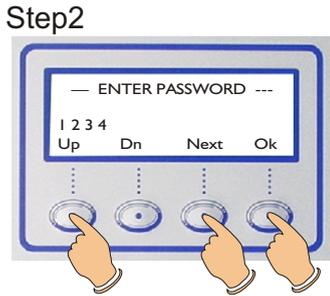


The Letters roll forwards through the alphabet from A-to-Z then 0-to-9-Space-then-A-to-Z etc. If you use **Down** button then it rolls backwards through the letters.

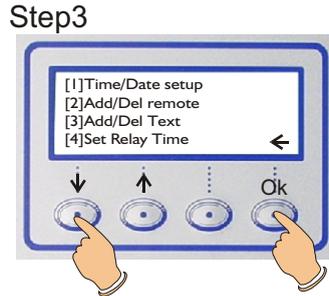
□ [4] Set Relay Time.



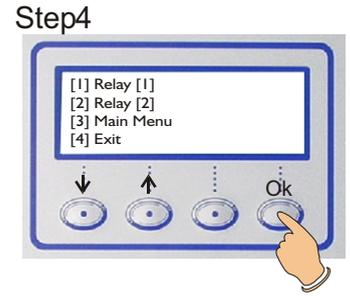
Press the far right button to enter the Main Menu.



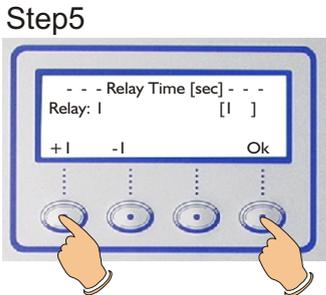
Use the **Up, Down** and **Next** button to enter the PIN no: The default is 1;2;3;4. Pin no's can be changed in the Main menu on option [7]



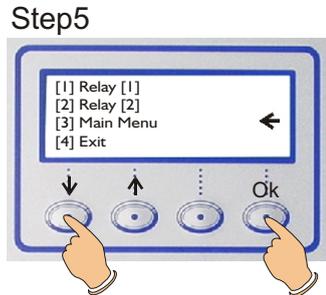
Press far left to move the Arrow down to [4], then press the far right **Ok** button.



Select either Relay 1 or 2 and then press **Ok**.



Set the Relay closure time required in Seconds by pressing the **+1** or **-1** button. Max of 180seconds can be chosen. Press **Ok** to return to the previous menu

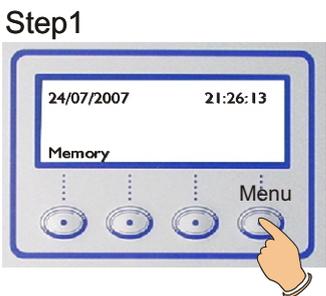


Move the Arrow to Main menu or Exit followed by the far right **Ok** button.

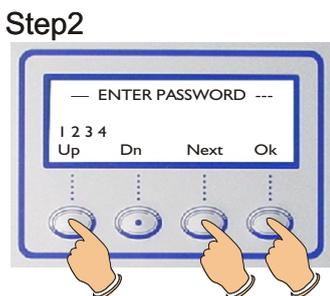
Please note:

The unit has two(2) dry Relay contacts that can be set to switch from 1 to 180 seconds. Normally you would set one relay for 3 seconds to trigger a Radio transmitter and the other would be set for 180seconds for connecting to a siren.

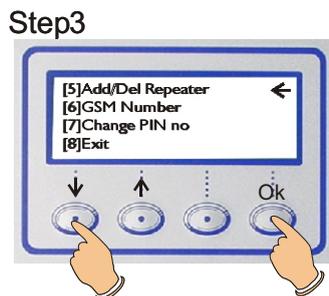
□ [5] Adding / Deleting Repeaters.



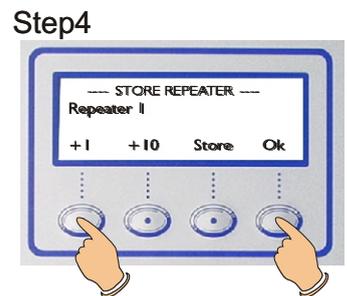
Press the far right button to enter the Main Menu.



Use the **Up, Down** and **Next** button to enter the PIN no: The default is 1;2;3;4. Pin no's can be changed in the Main menu on option [7]

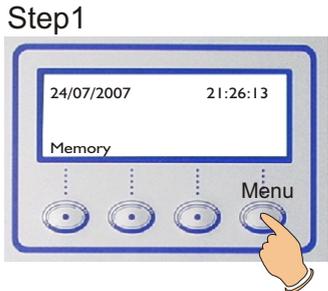


Press far left to move the Arrow down to [5], then press the far right **Ok** button.

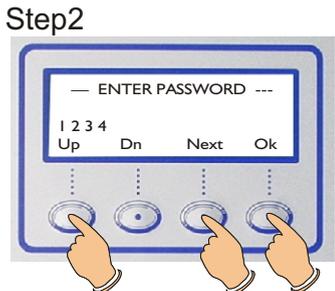


Press either **+1** or **+10** to select the Repeater Location: you want to Store a repeater. Press **Store** followed by powering the repeater. Once stored the repeater location will have a "Active" next to it. You can Erase programmed repeaters by selecting the repeater location and pressing the Erase button. Press the far right **Ok** button to return to the main menu.

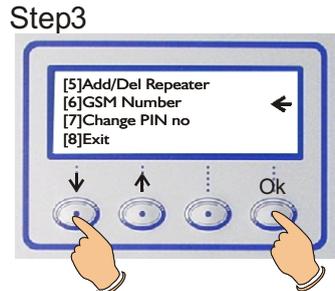
☐ [6] GSM Numbers.



Step1
Press the far right button to enter the Main Menu.



Step2
Use the **Up, Down** and **Next** button to enter the PIN no: The default is 1;2;3;4. Pin no's can be changed in the Main menu on option [7]



Step3
Press far left **OK** button to move the Arrow down to [6], then press the far right button.



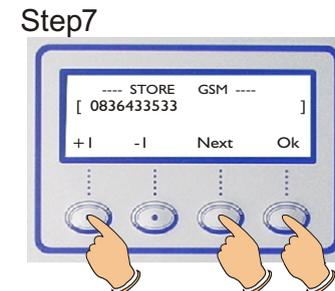
Step4
Press button [1] Master to store up to 8 master numbers for the GSM modem to send out to. Note: Master numbers receive all remote transmissions.



Step5
Press either **+1** or **-1** to select the Master GSM Location you want to Store a Contact number.



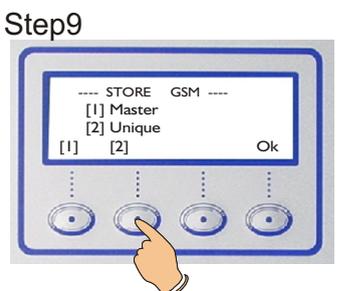
Step6
Press the **Prog** button to enter the required contact number.



Step7
Use the **+1, -1** and **Next** button to enter the required contact number. Once the required number has been entered press the **OK** button to store.



Step8
Press the **OK** button to return to the previous menu.



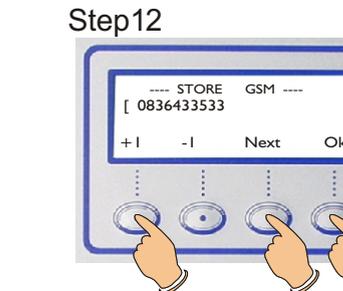
Step9
Press button [2] Unique to store up to 1000 Unique contact numbers for the GSM modem to send out to.



Step10
Press either **+1** or **+10** to select the Location you want to Store a Contact number. The Contact number programmed in to the particular location will receive the sms when the corresponding remote is transmitted



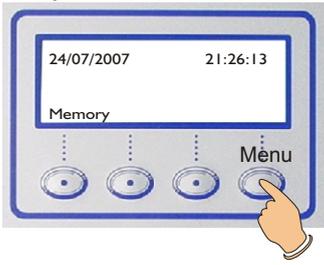
Step11
Press the Prog button to enter the required contact number.



Step12
Use the **+1; -1** and **Next** button to enter the required contact number. Once the required number has been entered press the **OK** button to store. Then press the **OK** button return to the main menu.

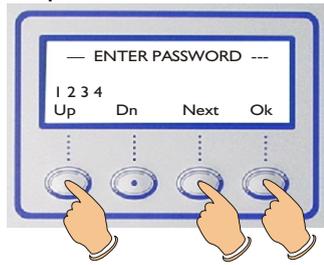
☐ [7] Change PIN no:

Step1



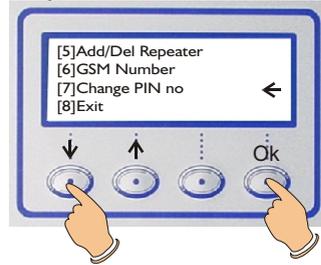
Press the far right button to enter into the Main Menu.

Step2



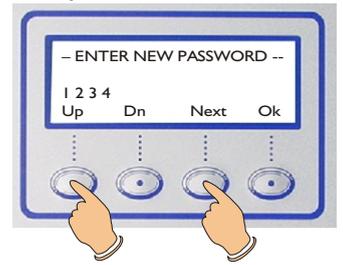
Use the **Up**, **Down** and **Next** button to enter the PIN no: The default is 1;2;3;4.

Step3



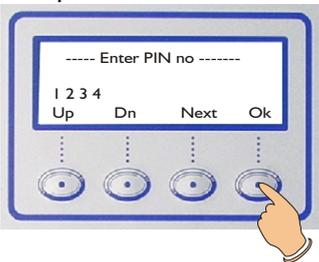
Press far left to move the Arrow down to [7], then press the far right **Ok** button.

Step4



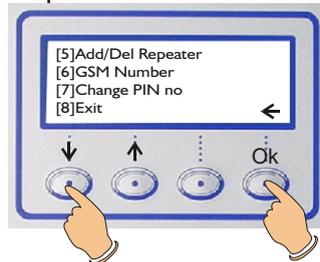
Use the **Up** and **Down** button to enter the required number to be used for PIN. Press the **Next** button to move to next number.

Step5



Once the required pin has been created press the far right **Ok** button to save the new PIN.

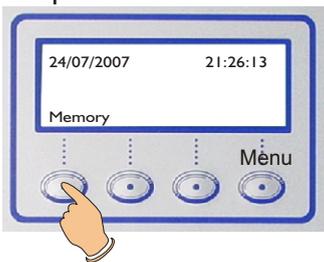
Step6



To exit the main menu Press far left to move the Arrow down to [8], then press the far right **Ok** button to Exit the main menu.

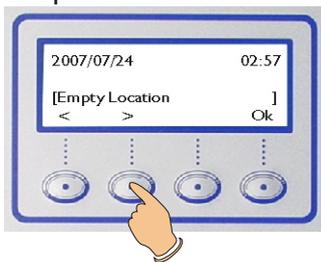
☐ Memory:

Step1



Press the far left **Memory** button to view activation events.

Step1



Press the **<** and **>** button to view all activation events. Press the **Ok** button to exit.

□ Software upgrades and versions done

Version	Date	Upgrade done
v1.01	21/08/2003	Software signed off for production
v1.02	01/09/2003	Signal checked while setting date/time Operator mode timeout after 30s
v1.03	20/09/2003	Operator mode timeout after 50s
v1.04	01/12/2003	Printer timeout for Epson 300+
v1.05	20/01/2004	RS232 Reset signal sent to reset PC software RS232 Config / Text IP added (9600db) Default config = All enabled except 12hr test/silent Remove clear scroll memory button Increase Scroll memory to 99 Added "Scroll memory" print dump Increase Remote memory from 500 to 1000 user Changed Text chip to 24LC256 for 1000 text string storage
v1.06	27/04/2004	Text scroll address decode routine
v1.07	09/05/2005	Printer address decode routine
v1.08	25/10/2004	Signal blockout of 40s to prevent repeate transmissions Erase scroll info on Initial bootup
v1.09t	10/01/2005	Text editing done on unit directly
V3.	25/11/2005	Upgrade on V1.09t has improved memory banking.

GSM Modem versions done:

V2.1	01/05/2005	SMS output to WISIMO GSM Modem
V2.00g	01/06/2005	SMS output to WISIMO GSM Modem with Relay A as 1 second.
V4.00	21/08/2007	Software for ver4. Mother board with USB and Dedicated GSM output



Sherlotronics SA (Pty) Ltd, 7C Susan Street,
Strydom Park, Johannesburg South Africa.
Tel: +27(11) 792-7782 Fax: +27(11) 792-6781,
e mail: simon@sherlotronics.co.za

Software Installation Guide

Mimic Base Software

Revision:- MB3000V4_2000

For:- USB Ver 4 Motherboard

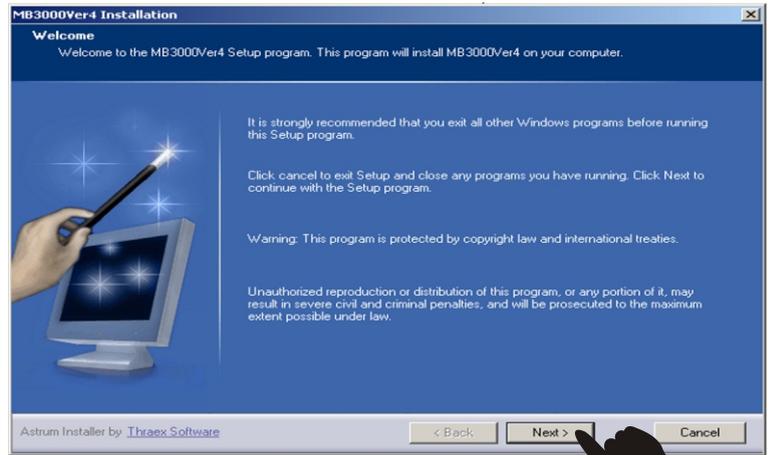


Installing the software onto your PC

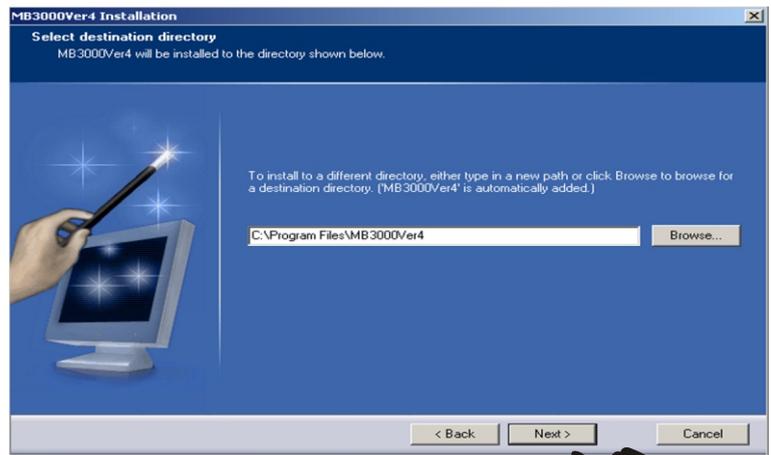
- ❑ Insert supplied CD into your P.C.
- ❑ Double click on the Mb3000:Ver4 Icon.



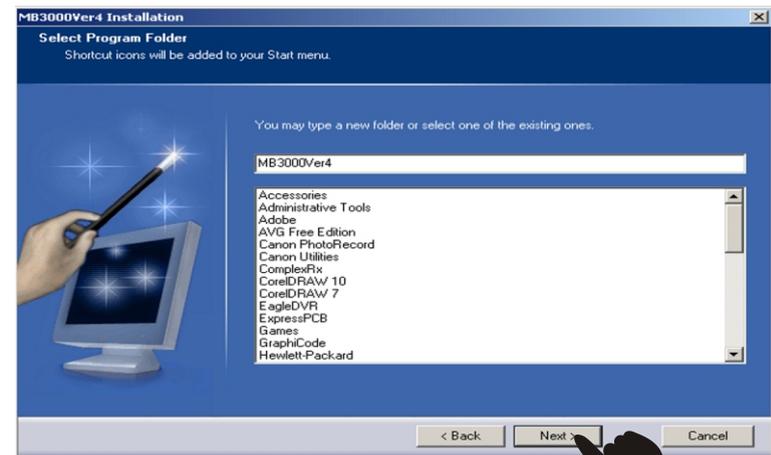
- ❑ Follow the instructions in the Install wizard, and click Next>



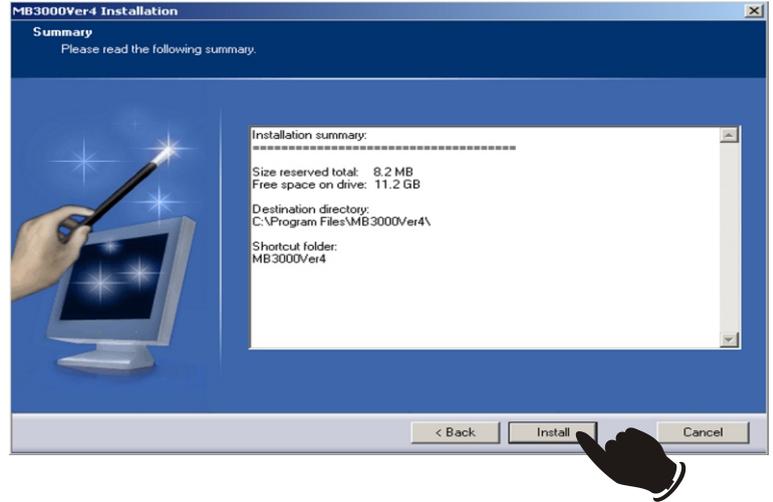
- ❑ Ensure the target folder is as follows
C:\Program Files\MB3000Ver4
- ❑ Click Next>



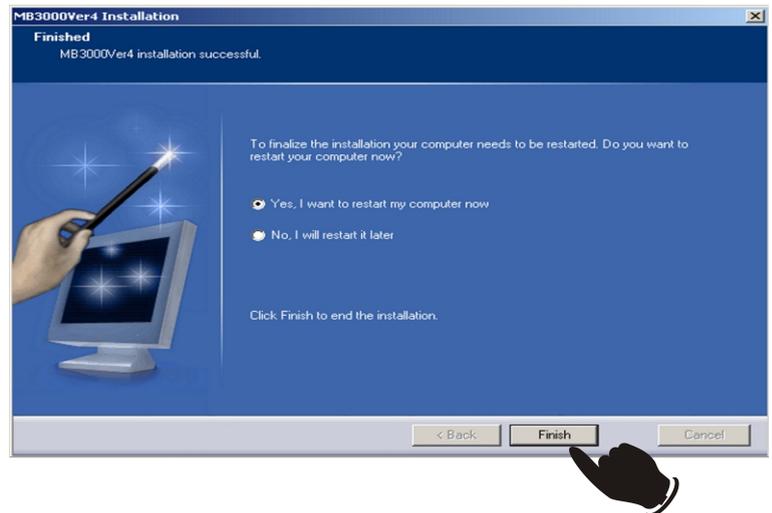
- ❑ Click Next>



- Click Install>



- Tick Yes I want to restart my computer now.
- Click Finish> Allow a few minutes for you P.C to restart before continuing further.



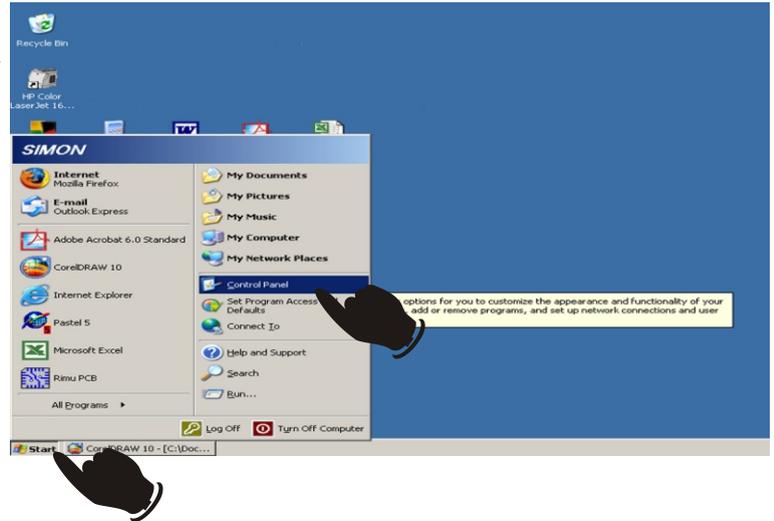
- Restart Computer before you go any further.
- Plug in the USB cable from a available USB port on your PC and the USB port on the Mimic base.
- Put 12V Power onto the Mimic base unit.
- Then follow the Setting COM Port procedure.

*******Restart the computer now*******

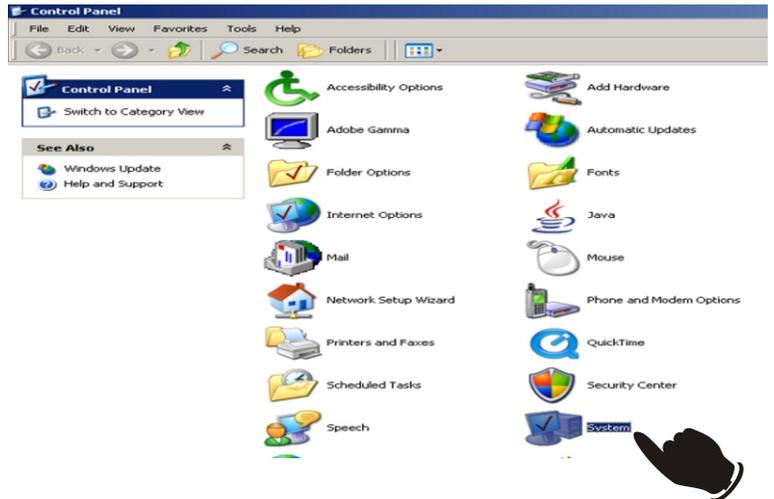
Setting the USB / Serial COM Port up.

You need to check what COM port you will be using, so please follow the following procedure below:

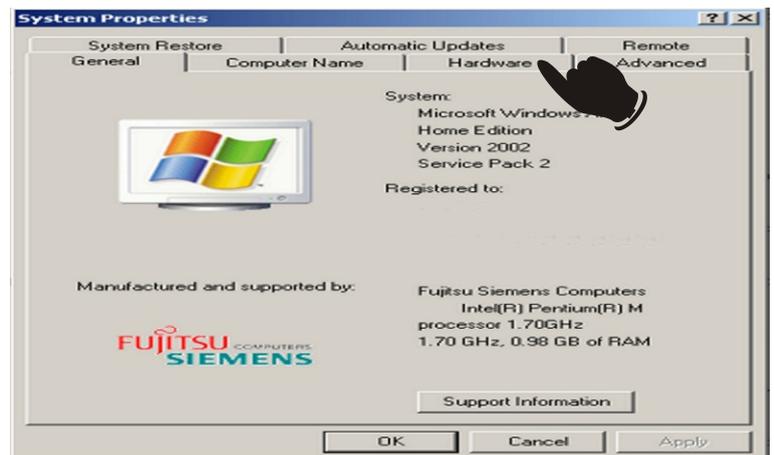
- Once the PC is restarted, plug in the USB cable which is attached to the MB3000 Ver4 board into your computer. Always use the same USB port after setting the COM ports up.
- Power up the MB3000P with 12V DC.
- Click on the Start icon.
- Click on Control Panel



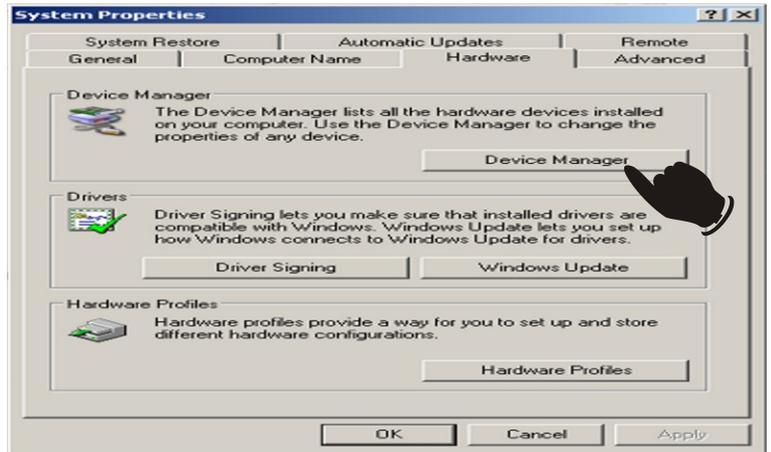
- Click on System



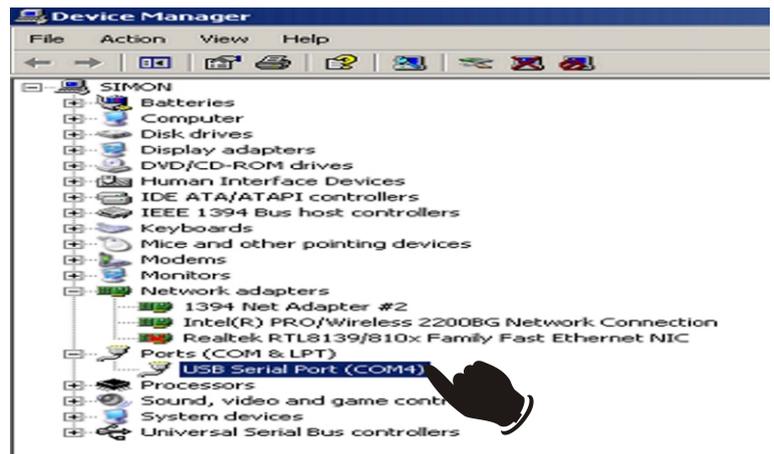
- Click on Hardware



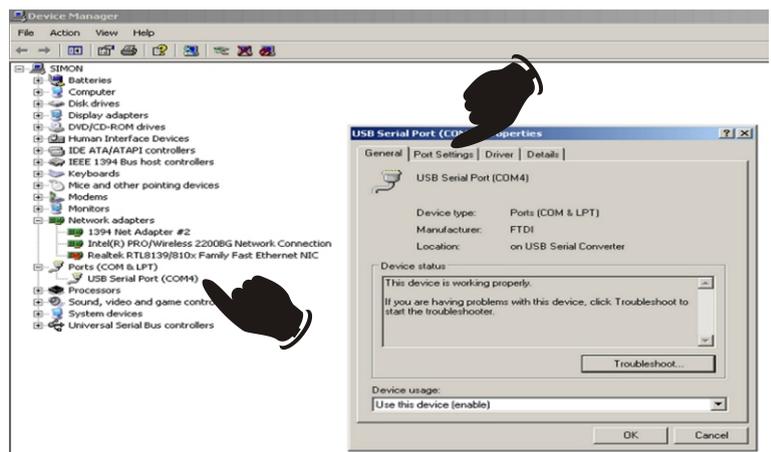
- Click on Device Manager>



- Click on Ports (COM & LPT)



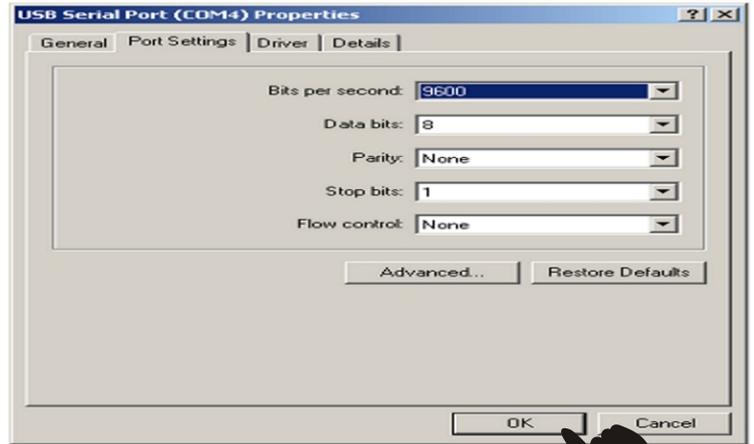
- Click on USB Serial Port.
- Check that the description of the manufactured is FTDI.
- Make a note as to what COM port number is listed as all computers have different allocated COM port numbers. You will need to know what COM you have plugged your cable into at a later stage. This example shows us our cable is plugged into COM4.
- Click on Port Settings.



- Check that the Port settings correspond to the settings below:-

Bits per Sec: 9600
 Data bits: 8
 Parity: None
 Stop bits: 1
 Flow control: None

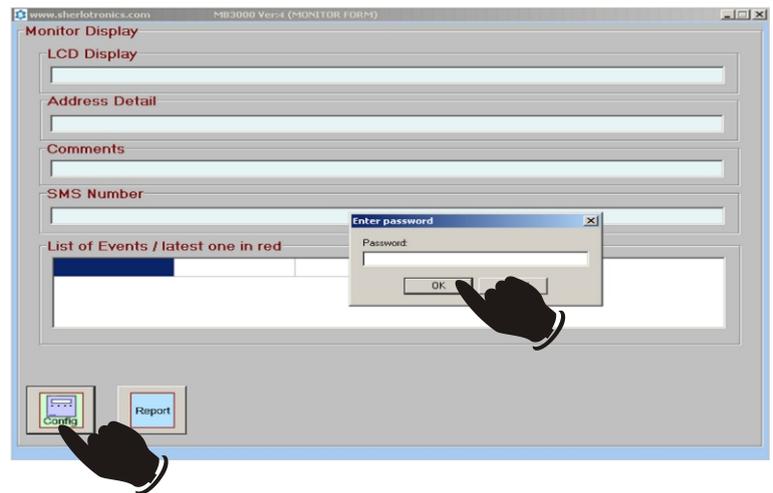
- Click on Ok, then exit all opened windows until you are back on your desktop.



Testing the COM Port

It is important to Test the Communication Port is working before proceeding.

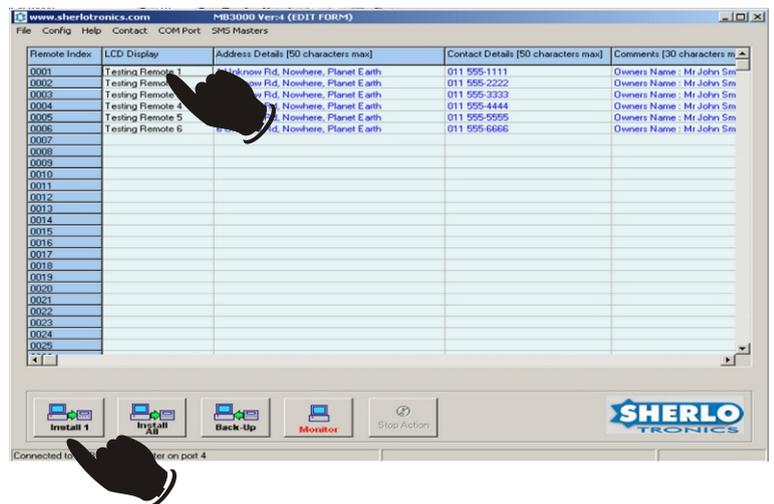
- Open the **MB3000_GUI** software
- Click on **Config**.
- Enter the Pin number (the default is **1,2,3,4**) then click Ok.



- Highlight the first cell 0001
- Then Click on **Install 1** - The unit should beep once and say "Programming success"

If everything is Ok then proceed to do a full back-up of the system as a standard procedure before you start with any work. This will force you to create a file and familiarise your self more with the unit.

If experiancing problems then follow the Trouble shooting help on the next page.

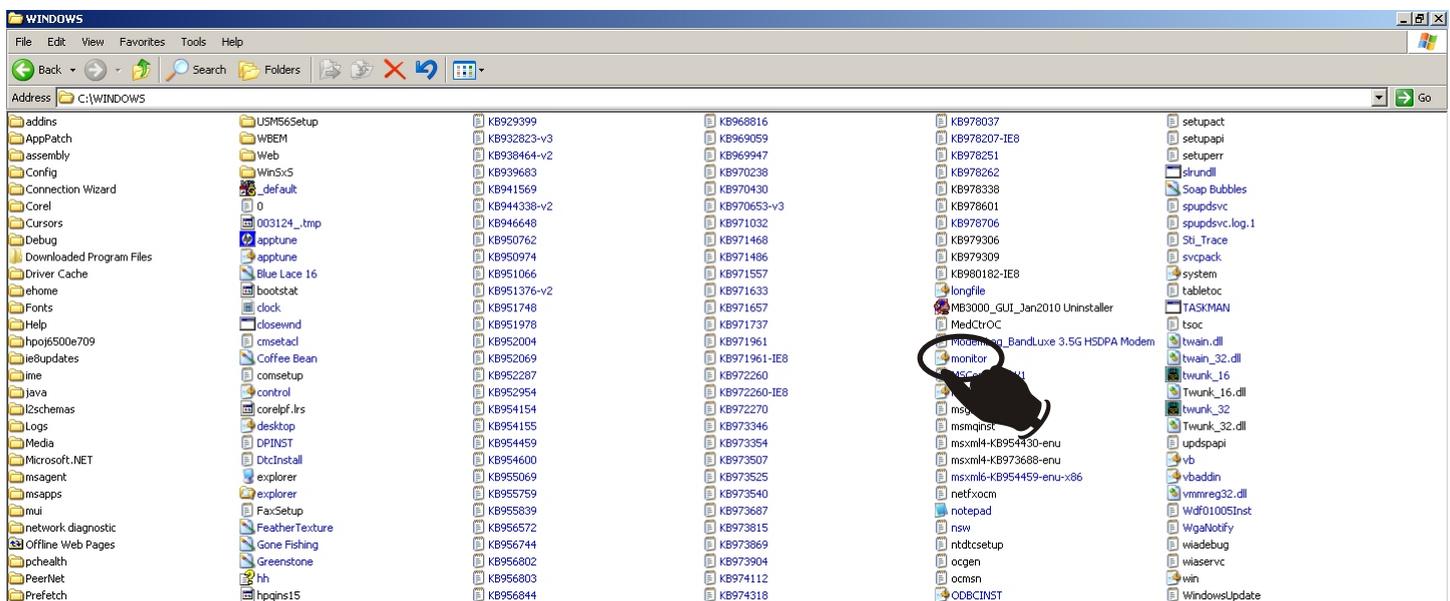


Trouble Shooting help on setting the COM port

Manually setting the COM Port from a embedded folder in a directory.

Go to the directory: **C:\WINDOWS**

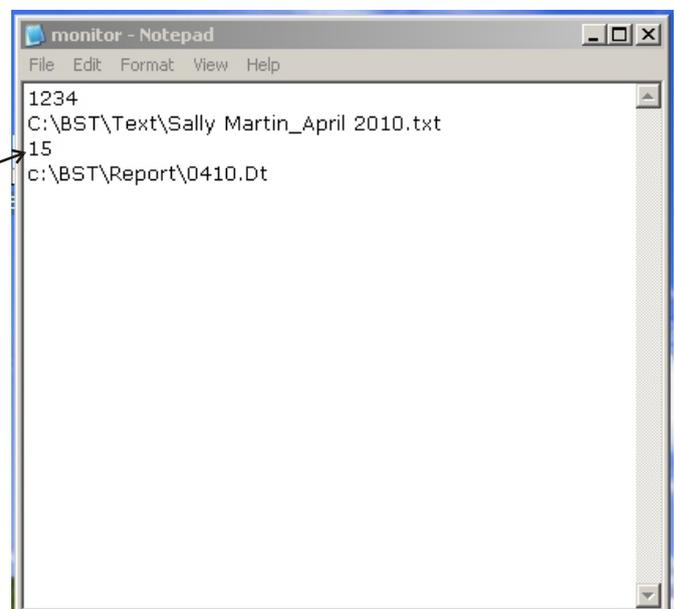
- ☐ Click: **Start**
- ☐ Click: **My Computer**
- ☐ Click **Hard drive (C:)**
- ☐ Click **WINDOWS**
- ☐ Click on a file called: **Monitor**



Once you are in the **Monitor** directory you can edit the COM port address to the number that It should be set to.

This form also shows the password that is set on the unit which is the 4 digits at the top of the page "1234" default.

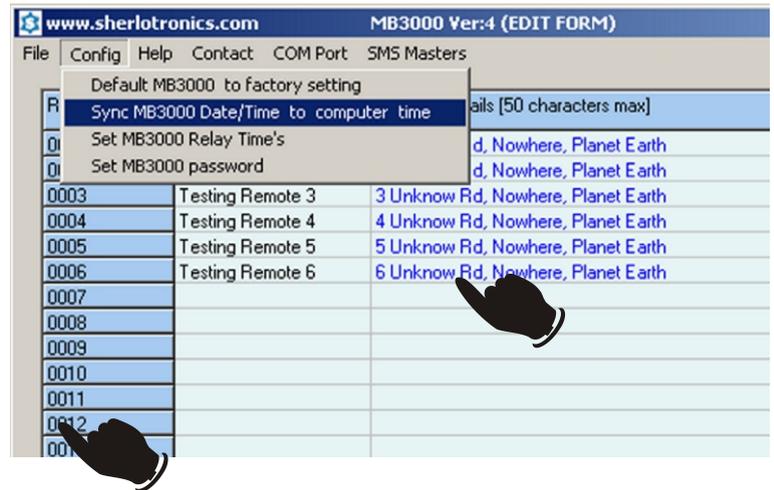
COM Port Address



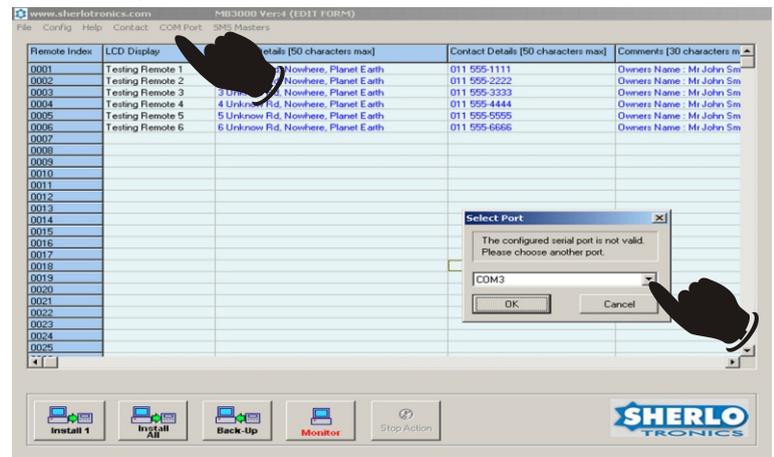
Backing up data.

It is important to back up before proceeding as this procedure will extract all data that is already programmed onto the unit previously.

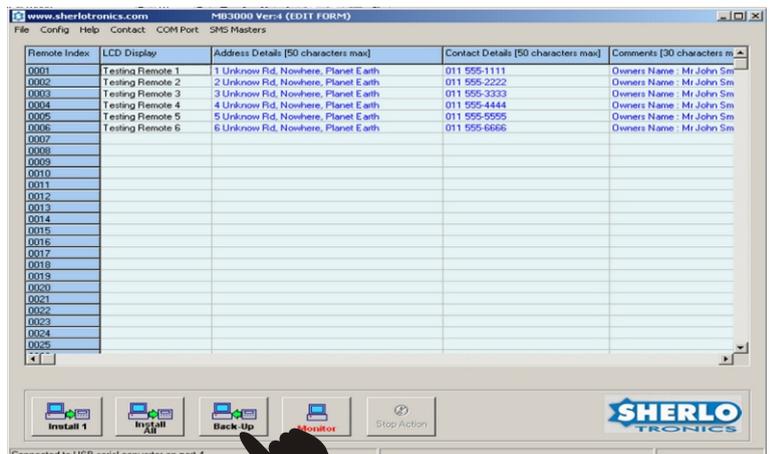
- Click on Config.
- Enter the Pin number (the default is 1,2,3,4) then click Ok.



- Click on COM Port
- Select the COM port setting that your USB Cable is connected to : Refer back to Page 2 for checking COM port settings.
- Click Ok.



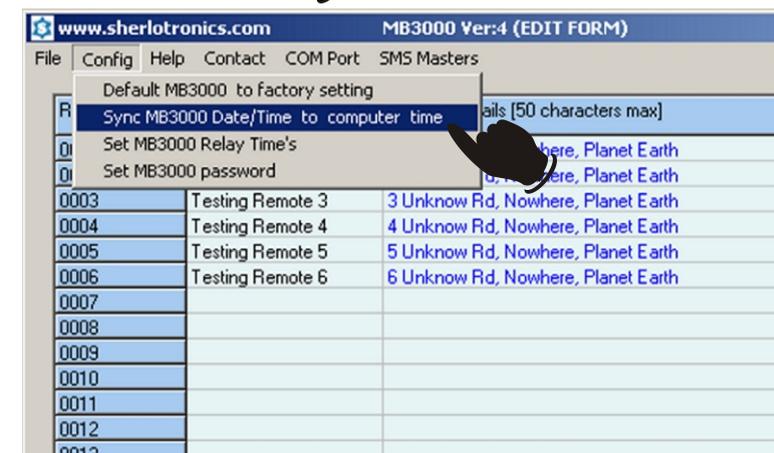
- Click on Back-up.
- When finished the system will prompt you to Save. Please type in a file like the name of the site you are installing this unit at.
- Click on Save.



Synchronising the time and the date with the computer.

This will ensure that the time and date is set to the exact same time as is set on your computer. Please ensure that the computer time/date are set correctly before proceeding.

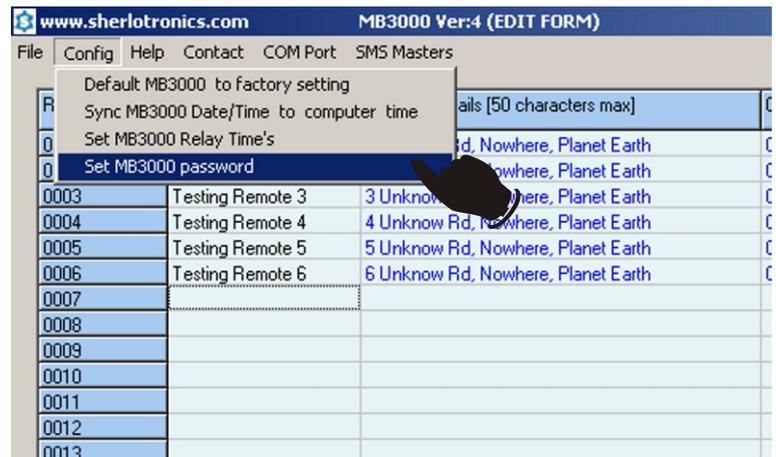
- Click on Config.
- Click on Sync MB3000 Date/Time to computer time.
- It will take approx 1 seconds to do the sync.
- Look on the Mimic bases L.C.D and the time will be the same as the computers time.



Changing the password on the Mimic base unit

You can change the password needed to access program functions on the Mimic base unit here.

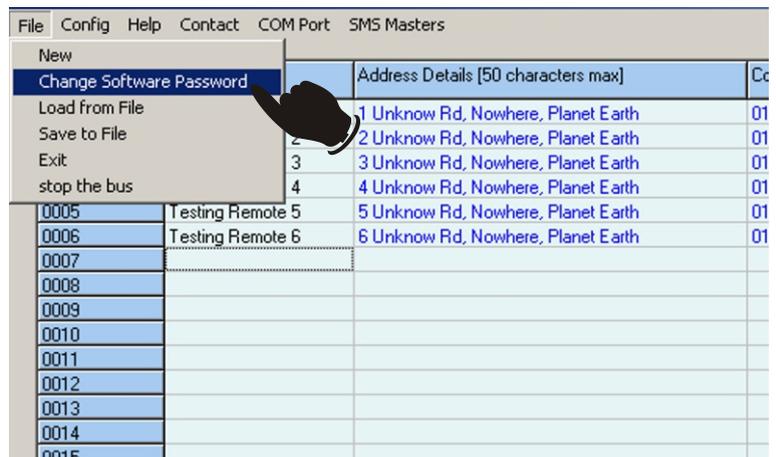
- Click on Config
- Click on Set Mb3000 password
- Type in the old password. The default is:- 1;2;3;4.
- Type in your new 4 digit password in both cells to confirm.
- Click on Ok.



Changing the password on software

You individually change the access password needed to enter the windows software into the program functions.

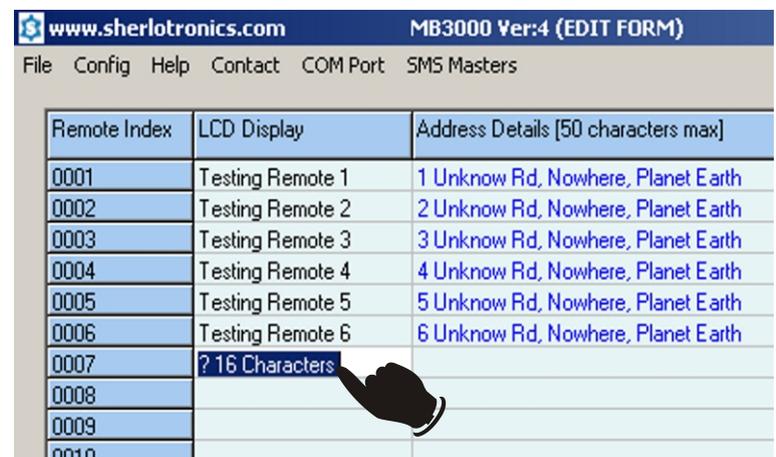
- Click on File
- Click on Change Software password
- Type in the old password. The default is:- 1;2;3;4.
- Type in your new 4 digit password in both cells to confirm.
- Click on Ok.



Programming LCD displayed text

You can program up to 16 characters of text which will be displayed on the LCD screen of the Mimic base when a signal is received.

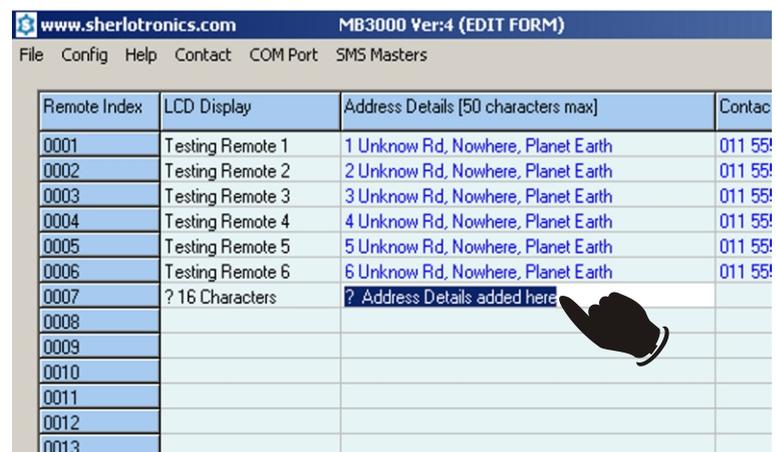
- Double Click on a cell in the LCD Display column.
- Type in your Text.
- When you are finished adding all the details click on Install All. Wait till the unit stops installing. The Buzzer on the Mimic base should beep while it is programming.



Programming Address details

You can add Address details / Contacts / Comments to be displayed on the Software Monitoring screen when a signal is received.

- Double Click on a cell in the Address column.
- Type in your Text.
- When finished adding all the details click on Install All.
- Click on File, and Save to your File that you created for this job.



Programming in remote control signals

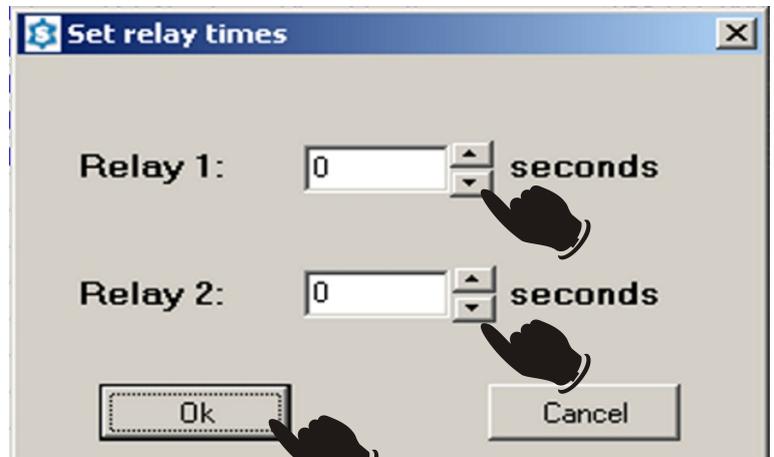
You can program in a remote signal easily by a click of your mouse, follow the following method.

- ❑ Double click on the Cell you wish to program a remote to. The cell should highlight to blue.
- ❑ Transmit the remote for 2 seconds.
- ❑ A unique HEX code should display like **80001CE3**. This is the remotes code. The unit will not allow you to program a remotes in more than one location. FFFFFFFF indicates a blank code.
- ❑ When you have finished programming all the remotes needed, remember to Install.
- ❑ Click on Install All.

Comments [30 characters max]	SMS Numbers	HEX Remote Codes	Erase
Owners Name : Mr John Smith		FFFFFFF	
Owners Name : Mr John Smith		FFFFFFF	
Owners Name : Mr John Smith		FFFFFFF	
Owners Name : Mr John Smith		FFFFFFF	
Owners Name : Mr John Smith		FFFFFFF	
Owners Name : Mr John Smith		80001CE3	
		FFFFFFF	
		FFFFFFF	
		FFFFFFF	

Setting the relay closure time

You can set between 0 and 180 seconds relay contact time individually between the two relays.



Programming Master SMS numbers

- ❑ Double click on the Cell you wish to program a number to.
- ❑ Type in the cellular number.
- ❑ Click on Program.
- ❑ Up to 8 number can be programmed.
- ❑ Click on the X to close the screen.
- ❑ When finished save to a file name, so you have a backup file copy on your computer.

Programming a unique SMS number

- o Double click on the Cell in the SMS numbers column.
- o Type in the cellular number.
- o Click on Install All. The data will now be sent to the Mimic base unit and programmed to its internal microchip.
- o When finished save to a file name, so you have a backup file copy on your computer.

characters max]	Comments [30 characters max]	SMS Numbers	HEX ▲
	Owners Name : Mr John Smith		FFFF
	Owners Name : Mr John Smith		FFFF
	Owners Name : Mr John Smith		FFFF
	Owners Name : Mr John Smith		FFFF
	Owners Name : Mr John Smith		FFFF
	Owners Name : Mr John Smith	0836160011	FFFF
			FFFF

Defaulting the Mimic base

- o Click on Config.
- o Click on Default Mb3000 to factory setting.
- o Type in your 4 digit pin number. The default is 1;2;3;4.
- o Click on Ok.
- o All data will now be erased from the Mimic base units internal microchip. The process will take a few minutes to complete.

ID	Description	Address
0003	Testing Remote 3	3 Unknow Rd, Nowhere, Planet Earth
0004	Testing Remote 4	4 Unknow Rd, Nowhere, Planet Earth
0005	Testing Remote 5	5 Unknow Rd, Nowhere, Planet Earth
0006	Testing Remote 6	6 Unknow Rd, Nowhere, Planet Earth
0007	? 16 Characters	? Address Details added here
0008		
0009		
0010		
0011		
0012		
0013		



