User's Manual Rev.1.1

GSM Modem 81GR

Congratulations !!! We thank you for purchasing the VISIONTEK GSM Modem 81GR. This User's manual will help you in knowing all the features of the system including installation. Operational and programming procedure in a step by step manner. Please keep this handy manual handy for easy reference.

For Servicing and other details kindly look at the corporate address and email id at the backside of the manual.

1 **Introduction**

2 **Installation**

3 **Operation**

1 Introduction

This user's manual is intended to help you to extract the best performance from the VISIONTEK GSM Modem 81GR. All the features of the system including installation, operational and programming procedures are explained in a lucid language and in a step-by-step Manner.

Please go through this manual and keep it Handy for easy reference.

FEATURES
- Non-transparent (error correction/data compression) data transmission at 1200/2400/4800/9600 bps programmable via a laptop or PC.
- Wide supply voltage ranges (63.5 V to 370V AC)
- RS-232 interface
- Short Message Service and data compatible.

Note: Two wire power supply input to modem, customer to take care of external body earthing for safety purpose.

VISIONTEK GSM Modem 81GR package consists of the following:

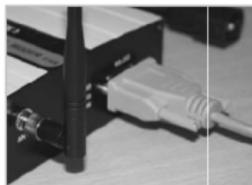| 81GR GSM Unit – 1 No.	2.5dB Rubber Antenna -1No.	Fixing Clamps 02 Nos.
User Manual – 1 No.		

2 Installation

The installation of 81GR is very simple. Please follow the step by step procedure as shown in the diagram.
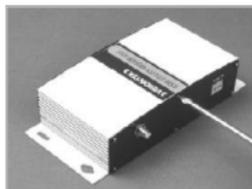

Step:1

Connect the antenna to the unit.

Step:2

Connect the RS-232 Cable to the device.

SIM Card Installation Procedure

Step:1

Open the screws on the rear side of the unit.

Step:2

Turn the PCB .Insert the SIM card in to SIM socket. Push the PCB back in to enclosure and Fix the screws.

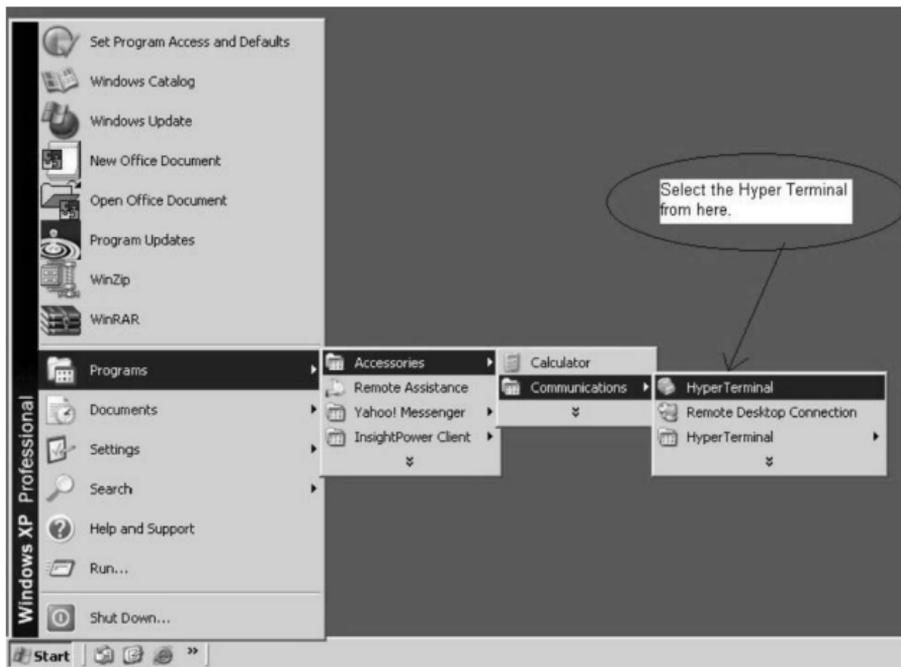**Step:3**

Insert the SIM in SIM socket and lock the same

3 Operation

Installation as Modem: PC side settings

Note: All the setting are for standard 9600bps

Modem connected to COM1

a) Select "START>>Programs>>Accessories>>Communications>>Hyper Terminal"

b) Enter any name of the terminal

c) Select Proper COM Port

d) Select Modem Serial Port settings

e) Now the Hyper Terminal is ready to Accept AT commands.

	In the Connection Description Dialog Box, type a name and Click OK.
	Select which Comport are Configured in the Modem Select and Click OK
	Select the Port setting with Baud Rate (9600) and click OK.

In the hyper-terminal Connection window Type AT and Press Enter OK response you get ready to Use Modem.

f) Through Hyper Terminal dial to a GSM/PSTN modem or another GSM Modem connected to Another PC (Insert a SIM card which has a Data number).

Eg.: Data Number : ATD9849289751

g) "Connect 9600" is displayed on Hyper Terminal screen after connection is established

h) Transfer any data by typing through keyboard. It should appear on the other PC to which we are dialing.

i) To disconnect the modem, Enter +++ and ATH command. If 'OK' response is seen, then modem is disconnected.

Baud Rate Change Settings:

a) Connect the modem to PC serial port

b) Open the Hyper terminal with proper settings as shown above and type

AT+IDR= <*required baud rate*> <*Enter*>

c) In Hyper terminal menu call shows disconnected.

d) Now, go to File>>Properties>>Configuration>>Select baud rate from list and apply.

e) In Hyper terminal enter the command to Save the changed baud rate as

AT&W

9 Pin 'D' type (Female) Pin details

Pin No.	Description	Type
1	DCD	o/p
2	Tx	o/p
3	Rx	o/p
4	DTR	o/p
5	G	–
6	DSR	o/p
7	RTS	o/p
8	CTS	o/p
9	R1	o/p

WARRANTY

VISIONTEK GSM Modem 81GR is warranted for a period of 12 months from the date of sale against manufacturing defects. Linkwell Telesystems Pvt. Ltd., obligation under this warranty shall be limited to servicing or replacing the defective parts provided that notice of such defects and satisfactory proof thereof is given to Linkwell Telesystems Pvt. Ltd.

The warranty does not cover any defect in the product caused by accident, misuse, mishandling, negligence, alteration, modification or substitution of any of the components or parts or any attempt at internal adjustments, any form of tampering by unauthorized/unskilled service personnel, loss of components or accessories, natural calamities and over voltage of electricity.

Under no circumstance shall Linkwell Telesystems Pvt. Ltd., be liable for any consequential or resulting injury or for loss, damage or expenses directly or indirectly arising from the use of this product Linkwell Telesystems Pvt. Ltd. will make every effort to carry out repairs/replacement under this warranty as early as possible and it is expressly made clear that the company shall not be liable to do so within any specified time or period.

The decision of Linkwell Telesystems Pvt. Ltd. as to the nature of the defect and applicability of this warranty shall be final. Claims if any, to this warranty shall be only made before the courts having jurisdiction in Secunderabad, Andhra Pradesh.

Product Pictures

RS232 Port

GSM Antenna

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