VisorALARM-Manager Application Quick Guide.
(Ver. 1.3)

Dm 380-I. V:3.0

1. **Installation Requirements**
   1.1. PC
   - Pentium III processor or higher.
   - Minimum RAM memory: 128 Mbytes
   - Operating system: Windows XP^{TM}, Windows 2000^{TM}.
   - Free hard disk space: 40 Mbytes
   - Minimum screen resolution: 1024x768, 256 colors.
   - Ethernet 10/100BT network card.

   1.2. VisorALARM
   - Check that the VisorALARM firmware release is 10.6.19.0.3 or higher.

2. **Executing VisorALARM-Manager and connecting to a VisorALARM**

Before executing the VisorALARM-Manager application, you need IP connectivity between the PC and VisorALARM (the steps required to achieve connectivity are described in the VisorALARM-Manager Quick Setup Guide.)

The initial application screen is as follows:

Figure 1

Enter the IP address for the VisorALARM you wish to access on this screen.
Once the connection is established, you need to authenticate with the VisorALARM:

Figure 2

Enter the user and device password in the above screen.
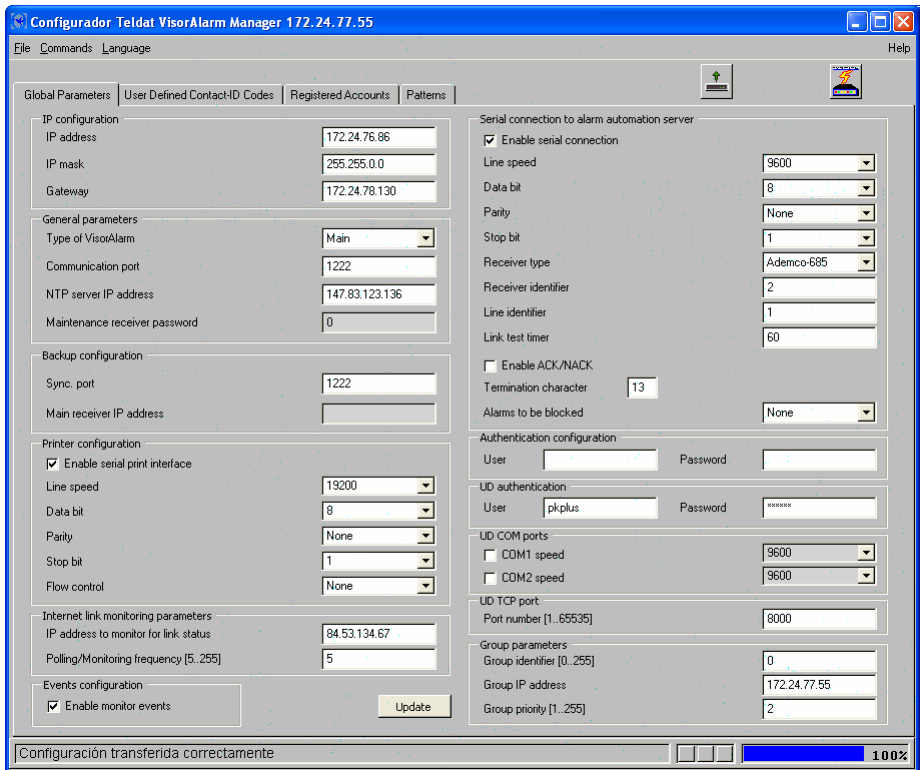Once authentication has completed, the application main screen appears.

Figure 3

3. Reading the VisorALARM Configuration

To get or refresh the actual device configuration, click on the "Read configuration device" button. This is shown in the following figure.

Figure 4

The first time that the VisorALARM Manager connects to the device this is done automatically.

4. Modifying the VisorALARM general parameters

The "General Parameters" tab shown in Fig 3 shows the VisorALARM parameters. To modify any of these, change the value for the required parameter and then click on the "Update" button (see Fig 3) to save the change in the VisorALARM. If you want to change various parameters at the same time, click on the "Update" button once you have executed all the changes. When the updating process has finished the program will ask you to restart the VisorALARM device. Press "OK" to restart the equipment so the new parameter values take effect.
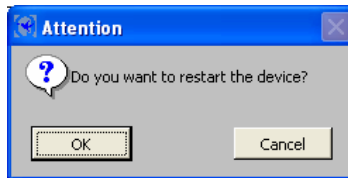

Figure 5

Parameter	Description
IP Address	IP Address of the VisorALARM receiver in the Central Station LAN
IP Mask	IP Mask of the VisorALARM receiver in the Central Station LAN
Gateway	Gateway for Internet Access in the Central Station LAN
Type of VisorALARM	A receiver can be Main, Backup or Maintenance.
Communication Port	This is the UDP Port where the mIP/IPDACT devices will send the registration, supervision and alarm data packets
NTP Server IP Address	IP Address for a Network Time Protocol Server
Maintenance receiver password	Encryption password used by mIP/IPDACT device when sending data packets to a Maintenance Receiver
Sync Port	This is the port used between Main and Backup receivers to synchronize configurations
Main Receiver IP Address	In a Backup receiver this will set up the IP Address of its Main peer

Printer: Line Speed	Baud rate for the Serial Printer connected to WAN2/PRN
Printer: Data bits	Number of data bits for the Serial Printer connected to WAN2/PRN
Printer: Stop bits	Number of stop bits for the Serial Printer connected to WAN2/PRN
Printer: Flow Control	Specifies if the communications with the Serial Printer require Hardware Flow Control
Internet Link: Monitoring address	IP Address for a server in Internet used to check that the receiver has Internet Access
Internet Link: Frequency	Number of seconds between two polls from the receiver to the Monitoring Address.
Enable monitor events	Enables/Disables monitoring events in the receiver
Serial Port: Line Speed	Baud rate for the Serial Port where automation software is connected
Serial Port: Data bits	Number of data bits for the Serial Port where automation software is connected
Serial Port: Stop bits	Number of stop bits for the Serial Port where automation software is connected
Serial Port: Flow Control	Specifies if the communications with the Serial Port where automation software is connected require Hardware Flow Control
Serial Port: Receiver Type	Emulated receiver, the currently supported emulation types are Ademco 685, Surgard MLR2000, Surgard DLR2 and Radionics 6500.
Serial Port: Receiver Identifier	Number for this receiver in the automation software
Serial Port: Line Identifier	Number for the unique line of this receiver in the automation software.
Serial Port: Link Test Timer	Specifies the time interval that the receiver waits between polls to the automation software through the serial port.
Serial Port: Enable ACK/NACK	For the Ademco 685 emulation specifies if the VisorALARM receiver must wait for acknowledgments when a signal is sent to the automation software through the serial port.
Serial Port: ACK Char	ACK char used for the Acknowledgement when using Radionics 6500 emulation
Serial Port: Header Char	Header char used for start of frames when using Radionics 6500 emulation
Serial Port:: Termination Char	Termination char used to end the frames when using Radionics 6500 emulation
Serial Port: NACK Char	NACK char used for the Negative acknowledgements when using Radionics 6500 emulation
User	The user name for management purposes. This is always "manager"
Password	Password for the manager
UD authentication	User and Password to be used for access to the remote UD server.
UD COM Ports: COM1 Speed	Baud rate for the UD expansion board COM1 port

UD COM Ports: COM2 Speed	Baud rate for the UD expansion board COM2 port
UD TCP Port Number	Server TCP Port for remote upload/download
Group parameters: Group Identifier	Identifier for the cluster of equipments that form the receiver in a high availability configuration.
Group parameters: Group IP Address	IP Address for the cluster of equipments that form the receiver in a high availability configuration. This is the IP address that must be taken into account for any other element in the network.
Group parameters: Priority	Priority for this equipment in the cluster that form the receiver in a high availability configuration. The equipment with the lower priority will be the "active" one in a normal situation.

5.   Modifying User Defined Contact-ID Codes

The "User Defined Contact-ID Codes" tab show in Fig 6 shows the set of Contact-ID codes that are used when the receiver generates internal signals.

Figure 6

Note that neither the mIP/IPDACT devices nor VisorALARM change the signals sent by a Control Panel. This User-Defined Codes apply only to internally generated signals.

Code	Signaled when	Account
mIP registration	A new mIP/IPDACT device is registered	Device accn
mIP installation error	The mIP/IPDACT cannot be registered because a device with another serial number is actually registered	Device accn
mIP deleted	A mIP/IPDACT has been deleted from the system configuration	Device accn
mIP loss of contact	Communication with a mIP/IPDACT device has been lost	Device accn
VisorALARM network error	VisorALARM cannot access Internet. The poll to the monitor-ip-address server has failed	0000
mIP goes to backup	The backup receiver has received polls from a mIP/IPDACT device but the receiver has not detected the main failure yet.	Device accn
mIP configuration error	The mIP/IPDACT device has been programmed with a Main Receiver address that corresponds to a Backup one.	Device accn
Group member down	One equipment from the cluster of equipments that form the receiver is down	0000

VisorALARM is down	The receiver is down (Main or Backup) because it has no connection to the LAN and the poll to the monitor-ip-address server has failed.	0000
Main VisorALARM is down	The Backup receiver has detected that the Main receiver does not answer.	0000
Backup VisorALARM is down	The Main receiver has detected that the Backup receiver does not answer.	0000
Alarms memory is full	The buffer to receive signals from mIP/IPDACT devices is full.	0000
mIP Input activation	The mIP/IPDACT input has become active (CLOSED)	Device accn
mIP Input trouble	There is a problem with the mIP/IPDACT input. It must be 1K EOLR terminated.	Device accn
mIP Tamper activation	The mIP/IPDACT tamper has become active (OPEN)	Device accn
mIP PSTN line trouble	The mIP/IPDACT has no PSTN connection or it has been cut	Device accn
mIP replacement detected	The VisorALARM has received messages from a mIP/IPDACT device with a different serial number	Device accn
mIP polling to IP device failure	The mIP poll to a IP server in its LAN has failed	Device accn
VisorALARM system trouble	A hardware element of the VisorALARM has failed. The zone code holds the specific trouble Zone 000: Fan0 fault Zone 001: Fan1 fault Zone 004: Front LCD fault Zone 005: Buzzer fault Zone 006: Printer fault Zone 007: AC loss Zone 008: Low battery	0000
mIP system trouble	A mIP device hardware element has failed.	
NTP time synchronization failure	The receiver cannot synchronize its local time with a global NTP server. This can cause problems when synchronizing configs between Main and Backup receivers.	0000
AC is lost	The receiver has detected that AC is lost because its Input number 1 has become active.	0000
Low battery	The receiver has detected that the system is in a Low Battery condition because its Input number 2 has become active.	0000
Log memory has been cleared	All the Log memory inputs have been cleared	0000
Log memory is at 50%	Log memory has reached 50% occupation	0000
Log memory is at 90%	Log memory has reached 90% occupation	0000
Log memory overflow	Log memory is full	0000
Log memory has been saved to file	The Log memory has been saved to a file	0000

6. Modifying the mIP parameters

The "mIP" tab accesses the list of registered mIPs (see Fig 7). Operations that can be executed with the selected mIP are "Update" and "Delete". Updating a mIP parameter is carried out by selecting the required mIP from the list and changing the necessary parameter value. Subsequently click on the "Update" button as indicated in Fig 3 so the change is saved in the VisorALARM and transmitted to the mIP. The updating operation can be executed if the mIP is connected to the VisorALARM. Deregistering a mIP in the VisorALARM is done by selecting the mIP from the mIP list and clicking on the "Delete" button. A mIP connected to a VisorALARM and deleted immediately, loses connectivity.
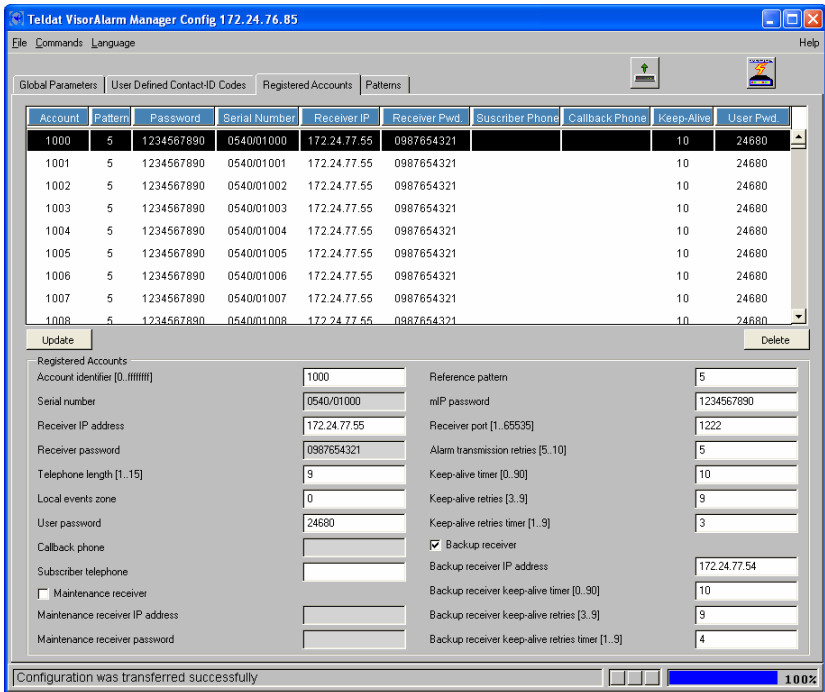

Figure 7

The next table explains briefly each mIP parameter:

Parameter	Description
Account identifier	This is the mIP/IPDACT device account. It must match the Control Panel Account number
Serial number (Read Only)	mIP/IPDACT serial number

Receiver Port	UDP port on the receiver where the device sends the registration, supervision and alarm data packets
Telephone length	Number of digits that the Control Panel dials for the Central Station Phone Number.
Alarm transmission retries	Number of times that a UDP data packet holding an alarm is transmitted if no acknowledgement is received
Local events zone	This is the base number for the zone field that appears in all the events generated by a MIP that do not come from the Alarm Panel.
User Password	mIP/IPDACT device Management password (terminal/telnet/configuration tool)
Callback phone	Phone number that the Control Panel dials when a callback to the device is requested
Subscriber telephone	Control Panel Phone Number
Maintenance Receiver	IP address for the Maintenance receiver
Maintenance Password	Encryption password for the data packets that the mIP/IPDACT sends to the Maintenance receiver
Reference pattern	This is the identifier for the cfg-pattern that the mIP/IPDACT has been registered with
mIP Password	Encryption password for the data packets that the mIP/IPDACT sends to the Main or Backup receiver
Receiver IP Address	IP address for the Main receiver
Receiver Password (Read only)	Encryption password for the data packets that the receiver sends to the mIP/IPDACT receiver. This parameter only can be changed though a registration operation.
Keep alive timer	Time elapsed between mIP/IPDACT polls to the Main receiver.
Keep alive retries	Number of poll retries in order to consider that the link with the Main receiver is down.
Keep alive retries timer	Time elapsed between mIP/IPDACT poll retries to the Main receiver.
Backup IP Address	IP address for the Backup receiver
Backup Keep alive timer	Time elapsed between mIP/IPDACT polls to the Backup receiver
Backup Keep alive retries	Number of polls retries in order to consider that the link with the Backup receiver is down.
Backup Keep alive retries timer	Time elapsed between mIP/IPDACT poll retries to the Backup receiver.

7. <u>Modifying pattern parameters</u>

The "Patterns" tab displays a list of configuration patterns (see Fig 8). Operations you can execute over a pattern are as follows:

- **"New"**: Create a new pattern.
  Fill out all the parameters for the new pattern and click on "New". The pattern then appears on the list with the specified parameters.
- "**Update**": Change a pattern's parameters.

Select the pattern you want to change from the patterns list. Once selected, modify the required parameters. Subsequently click on the "Update" button to record the changes in the VisorALARM.

- "**Update accounts**": Update the mIP/IPDACT device parameters whose "Reference Pattern" matches that selected with the values of this pattern. After the parameters have been updated, the mIP/IPDACT is restarted so the new parameters take effect.
- "**Delete**": Eliminate a pattern.
  Select the pattern you wish to delete from the patterns list. Click on the "Delete" button to eliminate the pattern and save the changes in the VisorALARM.
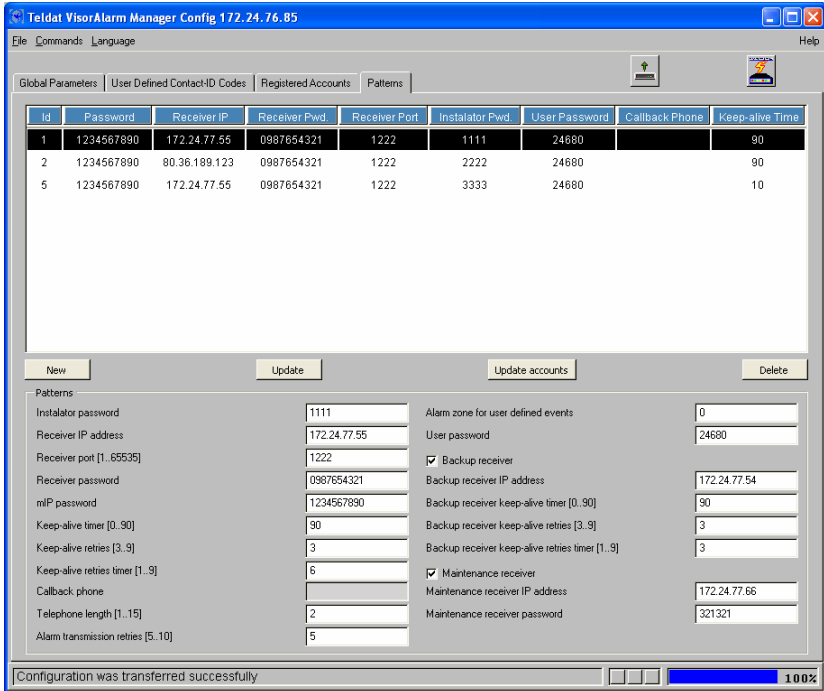

Figure 8

Since Patterns are used to setup the mIP/IPDACT parameters when a device is registered, the meaning of each parameter has been previously explained.

8. Getting started with a factory VisorALARM

STEP 1
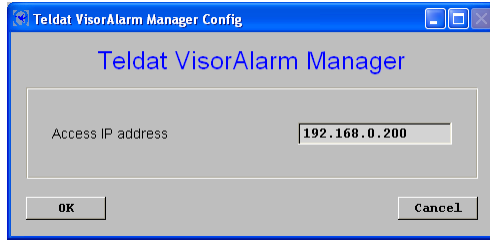Launch the program and connect with the default IP Address.

Figure 9

STEP 2

Type the name for the default user with management permissions ("manager") and its password ("24680").

STEP 3

Fill out the "IP Address" "IP Mask" and Gateway parameters

STEP 4

Fill out the "General Parameters" and the "Backup configuration" group of params.
If you are configuring a Main receiver select "Main" in the "Type of VisorALARM" box and fill the "NTP Server" box. (18.145.0.30)

STEP 5

If you have a Serial Printer connected to the WAN2/PRN connector you must enable the Serial Print Interface checkbox and fill in the transmission parameters.

STEP 6

Fill out the "Internet Link" group of params. This prevents the receiver from generating "Communication Trouble" signals to each registered mIP/IPDACT device if the Internet link goes down.

STEP 7

If you have automation software connected to the WAN1/AUT connector you must enable the "Enable Serial Transmission Configuration" check box and fill in the transmission and emulation parameters.

STEP 8

If you are going to use the Upload/Download Expansion board you must enable the COM port used and choose the desired speed.

STEP 9

If you are configuring an equipment member of a cluster in a high availability configuration fill the "Group Parameters" params. Select the same group identifier for all the equipments of the cluster, choose the IP Address for the cluster and the equipment priority. The equipment with the lower priority in the cluster will be the "active" equipment in a normal situation.

STEP 10
Press the "Update" button. This will save the parameters to the receiver. When the program asks you to reset the device, select "Yes".

STEP 11
Go to the "Pattern" tab and fill in the parameters to register new mIP/IPDACT devices. Press the "New" button.

The receiver is now ready to accept new mIP/IPDACT registrations. Use the mIP/IPDACT Configuration Tool to configure these devices.