



## VisorALARM+ Alarm Receiver over IP

### QUICK INSTALLATION GUIDE



**Dm 377-I, Version: 1.0**

#### **1. Introduction**

This Quick Installation Guide is designed to help the installation process of the VisorALARM+ and is geared to quick reference and initial configuration; therefore this document contains information specific to this aim and does not consider all possibilities. For further information on this please see the VisorALARM+ installation manual or contact the Teldat Security technical service.

#### **2. Requirements**

##### **Automation software**

- Automation Software compatible with Surgard, Radionics 6500 or Ademco 685 receivers and an available RS-232 line.

##### **Connections**

- Connection to an Ethernet network (10 or 100 Mbps).
- Power connection 110-240 V AC.

##### **Configuration**

- PC with serial port (speed 9600, 8 data bits, without parity bits, 1 stop bit and without flow control) and terminal emulation software (e.g. Windows HyperTerminal).
- RS serial cable for configuration (DB9 male – DB9 female).

##### **Internet Connection**

- Static and public<sup>1</sup> IP address for the VisorALARM+.

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<sup>1</sup> If Internet access is behind a NAT / firewall, you must have a private static IP address and a UDP port redirected to the said private address.

### 3. Checklist

- a. Cables:
  - Standard Ethernet network cable, category 5.
  - AC power supply cable.
  - RS-232 serial cable for configuration (DB9 male – DB9 female).
  - RS-232 serial cable for transmission of alarms to the server (DB9 male – DB9 female).
- b. Receiver Data:
  - Type of receiver to emulate (Surgard, Radionics 6500 or Ademco 685).
  - Line and receiver identifier.
- c. IP Information:
  - Default address, subnet mask and gateway.
  - UDP port for alarm reception.
- d. RS-232 communication parameters: speed, data bits, parity bits and stop bit.

### 4. Physical Connections

1. Connect one end of the Ethernet network cable to the connector labeled LAN and the other end to a switch or a hub in your network.
2. Connect the female end of the configuration RS-232 cable to the PC serial port and the male end to the connector labeled AUX on the rear panel of the VisorALARM+.
3. Connect the DB25 end of the data RS.232 cable to the **AUT** connector and the other end to the computer with the automation software.
4. If you have a printer connect the DB25 end of the printer RS232 cable to the PRN connector and the other end to the serial printer.
5. Connect the female end of the power supply cable to the power connector of the device and the male end to a grounded socket.



### 5. Configuration

Switch on the device. In the PC terminal emulator, you will see some information on device start-up. Wait until information similar to that shown below is displayed:

```
Teldat                (c)2001-2004
Router model VISORALARM-PLUS EU 6 119 CPU MPC8260      S/N: 472/01349
2 LAN, 4 WAN Lines
CIT software version: 10.6.33 Feb 26 2007 14:18:00
```

\*

At this point the device is ready to be configured. The commands required for configuration are described below and grouped by functionality.

### Starting with default config

When you receive the device from factory it is shipped with a basic default configuration. If you wish to defaults the device to this factory configuration use the 'set default-config' command.

```
*p 4
Config>set default-conf
All your session changes will be lost.
Activate default configuration (Yes/No)?Y
Config>
```

### Configuring IP

Enter the following commands, substituting **ip\_address** for the VisorALARM+ IP address, **mask** for its network mask and **gateway** for the gateway IP address.

```
Config>protocol ip
-- Internet protocol user configuration --
IP config>address ethernet0/0 ip_address mask
IP config>route 0.0.0.0 0.0.0.0 gateway 1
IP config>classless
IP config>exit
Config>
```

### Configuring the type of Alarm Receiver

Configure the **udp-port** for the alarm receiver. This is the receiver UDP port where the mIP devices will send its registration and supervision data packets.

```
Config>network serial0/0
-- ARLY Interface Configuration --
ARLY-1 Cfg>supervision port udp-port
```

Parameters dependent on the emulated receiver: the commands required to configure the emulation of the different receivers with their default parameters for communication with the automation server are displayed below:

### Sur Gard MLR-2000 / MLR2E

```
ARLY-1 Cfg> alarm-receiver protocol sur-gard
ARLY-1 Cfg> alarm-receiver parameters r=0
ARLY-1 Cfg> alarm-receiver receiver-id 01
ARLY-1 Cfg> alarm-receiver line-id 001
```

### Sur Gard DLR-2

```
ARLY-1 Cfg> alarm-receiver protocol sur-gard
ARLY-1 Cfg> alarm-receiver parameters r=1
ARLY-1 Cfg> alarm-receiver receiver-id 01
ARLY-1 Cfg> alarm-receiver line-id 1
```

### Radionics 6500

```
ARLY-1 Cfg> alarm-receiver protocol radionics-6500
ARLY-1 Cfg> alarm-receiver receiver-id 01
ARLY-1 Cfg> alarm-receiver line-id 1
ARLY-1 Cfg> alarm-receiver parameters h=0
```

**Ademco 685:** if you do not wish to use the ACK/NACK protocol, eliminate the second line.

```
ARLY-1 Cfg> alarm-receiver protocol ademco-685
ARLY-1 Cfg> alarm-receiver receiver-id 1
ARLY-1 Cfg> alarm-receiver line-id 1
```

If you need to configure another receiver or line id numbers please replace in the 'alarm-receiver receiver-id' and 'alarm-receiver line-id' commands the parameters that appear with identifier 1 with your desired numbers keeping the length of the field.

### Configuring the configuration pattern for MIP installation

A quick configuration process exists to simplify the installation process for new MIPs. Here a minimum number of parameters are manually configured in the MIP and, subsequently, a 'register' operation is executed using an installer password. The MIP receives the configuration of the configuration pattern during this process, where the installer password coincides with that provided.

Below you will see a configuration pattern displayed with installer password **1111**. For further information on each of these parameters, please see the VisorALARM+ Installation manual.

```
ARLY-1 Cfg> cfg-pattern 1 default
ARLY-1 Cfg> cfg-pattern 1 instalator-password 1111
ARLY-1 Cfg> cfg-pattern 1 usr-password 1234
ARLY-1 Cfg> cfg-pattern 1 mip-password ZYXW5678
ARLY-1 Cfg> cfg-pattern 1 receiver-password WXYZ4321
ARLY-1 Cfg> cfg-pattern 1 keep-alive-timer 45
ARLY-1 Cfg> cfg-pattern 1 keep-alive-retries 3
ARLY-1 Cfg> cfg-pattern 1 keep-alive-retries-timer 2
ARLY-1 Cfg> cfg-pattern 1 phone-length 9
ARLY-1 Cfg> cfg-pattern 1 alarm-tx-retries 2
ARLY-1 Cfg> cfg-pattern 1 callback-phone 918076565
ARLY-1 Cfg> cfg-pattern 1 bck-receiver-IP 80.26.96.183
ARLY-1 Cfg> cfg-pattern 1 bck-keep-alive-timer 45
ARLY-1 Cfg> cfg-pattern 1 bck-keep-alive-retries 3
ARLY-1 Cfg> cfg-pattern 1 bck-keep-alive-retries-timer 2
```

### Configuring events

```
ARLY-1 Cfg>exit
Config>event
-- ELS Config --
ELS config> enable trace subsystem ARLY ALL
ELS config>exit
```

### Configuring the speed of the UD communication ports

To set the speed for the UD com1 port use the next command replacing the **portSpeed** parameter by the desired port speed.

```
Config>net serial1/0
MODEMEMU-serial1/0 Cfg>speed portSpeed
MODEMEMU-serial1/0 Cfg>exit
Config>
```

To set the speed for the UD com2 port use the next command replacing the **portSpeed** parameter by the desired port speed.

```
Config>net serial1/1
MODEMEMU-serial1/1 Cfg>speed portSpeed
MODEMEMU-serial1/1 Cfg>exit
Config>
```

Finally save the configuration and restart in order to activate the new settings. If you wish to check the configuration, the "show config" command will display the configuration from the menu where this is located together with all its submenus.

```
Config> save
Save configuration (Yes/No) [No]? y
OK on Flash (not saved in SmartCard)
Config>[CTRL-P]
*restart
Are you sure to restart the system(Yes/No)? y
*
Restarting. Please wait .....
```

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