

Important Safety Instructions

Take care when unpacking, and inspect the product for any obvious external, or suspected internal damage. When in doubt, do not proceed to install or operate equipment. Contact your supplier.

General Safety Information

This equipment has been designed and manufactured to meet international safety standards but, like any electrical apparatus, due care must still be taken.

- Do read and understand the instructions before using the equipment.
- Do Not expose this apparatus to rain or moisture. For indoor use only.
- Do Not remove any screws or non-operator accessible covers.
- Do Not insert any metallic objects.
- Do Not stack telephone splitters.
- Do Not allow liquid to spill into cabinet openings.
- Do Not allow anything to rest on the power or telecomm cords and ensure all cables are routed to prevent damage or accidental contact.
- Do Not continue to operate the equipment if you are in any doubt about it working normally, or if it is damaged in any way. Switch off then withdraw the mains plug and consult your service agent.

Service Requirements

Operator Access (ESD Precaution)

This is an Electrostatic (ESD) sensitive area. As a minimum, the operator should be 'Electrostatically Discharged' via his/her hand to a suitable metallic earthing point prior to opening this area.

There are no other user serviceable parts inside. In the event of equipment malfunction, unplug the power supply. It is the responsibility of users requiring service to report the need for service to the authorised Service Agent.

Maintenance

Cleaning the Case

- DO NOT allow any water to enter inside the case. Remove any dust from the case using a damp cloth. To clean off accumulated dirt and grime, use a damp cloth that has previously been dipped in mild soap and water. Wring out thoroughly to remove excess water before use.
- DO NOT use solvents, cleaning fluids or abrasives. These materials could damage the plastic housing and any exposed contacts.

External Power Supply

- This apparatus is intended for use when supplied with power from a low voltage external power supply.
- Only an Ingenico approved power supply (CE Marked) specified for use with this Terminal may be used.
- Since this product does not have a disconnect device (ON/OFF switch), the Terminal and
- Power Supply must be installed near a suitable power socket which is easily accessible.

- In the event of a hazard or malfunction, the Power Supply Unit should be switched off at the socket before being unplugged from the mains.
- The power supply output lead should only be plugged into the product power input socket.
- The power supply will provide adequate power for the Terminal. The user should ensure that all other auxiliary apparatus, drawing power from the host, does not overload the power supply.
- Operate only from a power source as specified on the Power Supply Unit.
- A damaged mains cord (if not a replaceable type) or low voltage secondary input lead cannot be replaced by the user, the unit must be returned to the authorised service agent for essential repairs and/or replacement.

Connections

Interconnection to other equipment via the externally accessible ports on the Terminal must only be made as follows:

Power Supply Input: Operates at Safety Extra Low Voltage (SELV). Connect only to an Ingenico approved Power Supply (CE Marked) specified for use with the Terminal.

Port(s), 6 way: The RS232 type port(s) operate at SELV and must only be connected to a module of the same type ie. SELV.

Public Switched Telephone Network (PSTN) Line, 6 Way: MUST only be connected to a PSTN socket e.g. Telephone wall socket, PBX etc.

Under no circumstances must the PSTN cable be inserted into the RS232 ports. Take due care when attaching cables.

External Cables

DO NOT use any other external cables and/or cable lengths (must be less than 3 metres long) other than those specified and/or supplied by the manufacturer. Ensure all cables are routed to prevent damage or accidental contact.

Modem

General Description

The Terminal has an integral modem that allows the Terminal to transfer transaction data to card companies host computer systems.

The internal modem supports: CCITT V22bis/V22/V21/V32, V32bis, V34 data transfer protocols. It has an automatic dialling facility.

Disclaimer

This equipment has been designed for connection to the local Public Switched Telephone Network (PSTN). The apparatus must not be subjected to any modification, in any material way, unless authorised by Ingenico. Nor must it be used with:

Internal Modem Software that has not been formally accepted by the manufacturer.

- External control Software or external control equipment which causes operation of the modem or associated call set up equipment to contravene the requirements of the PSTN Network.

Systems to which the Modem may be connected

- This Modem is only approved for connection to the following telecommunications systems:
- The Public Switched Telephone Network (PSTN).
- Any equivalent service runs by any Licensed Telecommunications Network Operator.
- Private Branch Exchange (PBX) extensions, being a Branch Telecommunications System operating under a license.
- The Modem is not suitable for shared service or 1+1 carrier systems nor as an extension to a pay-phone.

Note: It cannot be guaranteed that the Modem will operate correctly under all possible conditions of connection to PBX's. Any cases of difficulty should be referred in the first instance to Ingenico.

Connection

The modem is connected to the PSTN via a standard plug and flexible cord, which requires a suitable compatible socket (and adaptor if required).

Terminals connected to phone lines where a broadband service is present must be connected through an ADSL microfilter.

Dialling

This modem is suitable only for connection to direct exchange and/or PBX lines which provide Dual Tone Multi Frequency (DTMF) dialling facilities.

Ringer Equivalence Number (REN)

To determine the total number of items of apparatus that should be connected simultaneously to an exclusive PSTN line, the total REN values of each of the items of apparatus connected to the line should not exceed the maximum REN value 4.0. This value includes any Network operator provided instrument, each of which is assumed to have a REN value of 1.0 unless otherwise marked.

Declaration of Conformity

The CE marking indicates that the product supplied complies with the basic requirements of European Directive 1999/5/CE known as the R&TTE Directive concerning RF equipment and telecommunications terminals with respect to:

- The protection of the health and safety of the user and any other person.
- The protection requirements with respect to electromagnetic compatibility.

and complies with the following harmonised standards:

IEC/EN 60950 1	Issued	Dec 2001	Electrical safety of data processing equipment
EN 55022	Issued	1998/A1-2000/A2-2003	Radio electric disturbance characteristics limits and measurement methods
EN 55024	Issued	1998+A1-2001+A2-2003	Immunity characteristics limits and measurement methods

And, for the whole range, complies with the European approval specification on connecting terminals with DTMF dialling to the Public Switched Telephone Network (Council Decision 1998/482/EC, Council Decision 1999/303/EC)

ETSI ES 203021
ETSI TR 103000

The product supplied is designed to interwork with the following European analogue Public Switched Telephone Networks:

Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Liechtenstein, The Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom.

WEEE Directive

The product belongs to the family of electrical and electronic equipment. Therefore it is subjected to the WEEE Directive which requires the collection and recycling at the end of the life of the product.

Ingenico products present the symbol for the marking of electrical and electronic equipment as required by the WEEE Directive.



The crossed through wheeled bin printed on the product gives information about the requirement not to dispose of WEEE as unsorted municipal waste and to collect such WEEE separately.

To ensure that the product is collected and recycled with respect to the environment, you must contact your supplier (contact the Ingenico local office or the commercial head office in charge of your country on www.ingenico.com <<contact us>> page).

The abandonment or uncontrolled disposal of waste can harm the environment and human health. So, by recycling your product in a responsible manner you contribute to the preservation of natural resources and the protection of human health.

Batteries

If your product contains batteries they must be disposed of at the appropriate collection points.

Security Warning Notice

This terminal is used for the secure transfer of funds using credit and debit cards. As such it is designed as a high security device.

Should you suspect that the terminal might have been removed, stolen or apparently modified or replaced then you should advise your Bank immediately and stop using the terminal until advised by the Bank accordingly. This is to protect both your business and also the persons who have or will continue to use your terminal.

Please be vigilant at all times and check your terminal regularly.

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