



Global Security Modem

Installation and Operations Manual





Instructions

This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.



Dangerous Voltage

This symbol is intended to alert the user to the presence of un-insulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



Protective Grounding Terminal

This symbol indicates a terminal that must be connected to earth ground prior to making any other connections to the equipment.

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- the customer assumes all such risks, and
- the liability of Server Technology is adequately protected under the circumstances.

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Chapter 1: Introduction

Quick Start Guide

The following instructions will help you quickly install and configure your Global Security Modem for use in your Sentry product. For detailed information on each step, go to the page number listed to the right.

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Technical Support



Experience Server Technology's **FREE SMARTER Technical Support** - [Learn more...](#)

Server Technology understands that there are often questions when installing and/or using a new product. Free Technical Support is provided from 6:00 AM to 7:00 PM, Monday-Friday, Pacific Time.

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Equipment Overview

Each connector on the Global Security Modem is clearly labeled for easy identification:

- RJ12 Telco connector for connection to the incoming Telco line.
- IDC10 connector for connection to the Sentry internal logic/power
- 2-pin locking header for connection to internal power

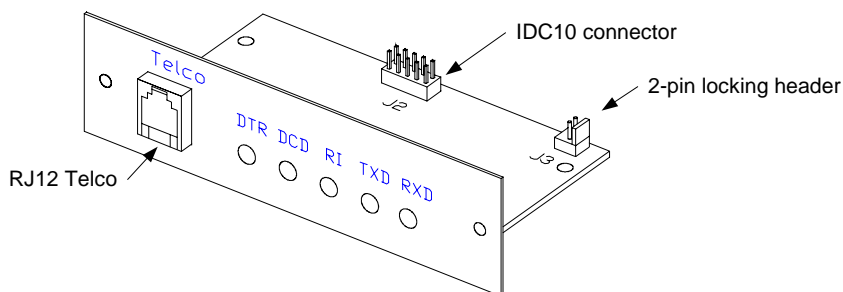


Figure 1.1 Global Security Modem

Chapter 2: Installation

Before installing your Global Security Modem (GSM), refer to the following lists to ensure that you have all the items shipped with the unit as well as all other items required for proper installation.

Standard Accessories

- Global Security Modem module
- RJ11 to RJ11 crossover cable

Safety Precautions

- Use this product only with approved Server Technology devices.
- To reduce the risk of fire, use only 26 AWG (.41mm) or larger telephone wiring.
- Never install telephone wiring during a lightning storm.
- Never install a telephone jack in a wet location unless the jack is specifically designed for wet locations.
- Never touch un-insulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.
- Use caution when installing or modifying telephone lines.
- Avoid using a telephone during an electrical storm; there is a risk of electrical shock from lightning.
- Do not use a telephone in the vicinity of a gas leak.

Installing the Global Security Modem module

These instructions apply only to Sentry models designed to be user-upgradeable. Sentry units without a user-removable Modem plate must be upgraded by the factory.



NOTE: Server Technology *highly* recommends the use of a grounding wrist strap while installing the Global Security Modem to avoid damaging any components due to static electricity (ESD).

1. Remove power from the Sentry device.
2. Loosen the Modem plate thumbscrews and gently pull plate away from enclosure exposing the attached IDC10 cable (2-pin power cable also present on some units).
3. Disconnect the cable(s), from the connectors on the Modem plate.
4. Remove Modem plate completely from the enclosure and set aside.
5. Remove the Global Security Modem module from the ESD protective packaging.
6. Attach the IDC10 cable from step 3 to the IDC connector marked J2 and, if present, attach the 2-pin cable from step 3 to the 2-pin locking header marked J3.
7. Gently insert the Global Security Modem module into the enclosure and tighten the thumbscrews.

Connecting to the Global Security Modem

The Global Security Modem is equipped with an RJ12 Telco port for direct connection to an incoming telephone line.

Chapter 3: Operations

The Sentry Global Security Modem is a v.92 (56K) data modem and provides out-of-band access to the Sentry Remote Power Manager. The Sentry integrated Modem additionally supports Callback Security and Remote Configuration.

NOTE: Sentry RPMs with integrated modems manufactured prior to June 30, 2003 may contain older OEM modem modules. Use the AT+I3 command to positively identify the type of integrated modem. The new security modem displays "MT9234SMI" in the response string. For assistance with configuring older modems, contact Technical Support.

Logging In

You may log directly into the Global Security Modem to configure the Country Code, enable Callback Security or other features. To log into the modem follow steps 1 through 3 from *To initially configure the modem:* below.

Initial Configuration

The Global Security Modem requires no initial configuration, with the exception of the Country Code, to operate as a standard modem without the optional security mechanisms enabled; Callback Security is disabled by default.

Provided are instructions to configure the modem through a serial/Pass-Thru connection from the Sentry: prompt. The instructions below assume that the default Setup password has not been changed.

To initially configure the modem:

1. At the Sentry: prompt, type **connect modem** and press **Enter**.
2. After receiving the `Connection Complete` banner, type **ate1q0v1** and press **Enter**. This enables the modem's command echo and enables verbose result code mode.
3. Type **at#sMTSMODEM** and press **Enter** to authenticate and enter configuration mode. If the password is incorrect, the modem will display `ERROR`.
4. Type **at%t19,0**, followed by the appropriate Country Code (see page 6) and press **Enter**.
5. Type **ati19** and press **Enter** to verify the configured Country Result Code.
6. Type **atz** and press **Enter** to reset the modem with the new settings.
7. Type **!*break** and press **Enter** to break the Sentry serial connection to the modem. The Sentry will display the `Disconnecting...` banner and return to the Sentry command prompt.

NOTE: Server Technology recommends use of the `ATZ` command after any configuration changes to insure that they are stored and that the modem is reinitialized with them. Re-authentication, step 3, is required after using the `ATZ` command for any additional configuration changes.

Commands

AT commands are used to control and configure the operation of the Global Security Modem. AT commands may be issued only from a serial Pass-Thru session from the Sentry or a remote configuration *command mode* session, if enabled. See *Remote Configuration* on page 11 for more information on remote configuration sessions.

AT commands may be issued in any combination of uppercase and lowercase. Multiple AT commands may be issued in one line, also known as a command string. Command strings begin with **AT** and end when **Enter** is pressed. The following table lists and briefly describes each command.

AT Command Summary

Command	Description
#CBA	Sets the maximum Callback attempts
#CBD	Sets the Callback delay
#CBF	Displays the Callback failed attempts counter
#CBFR	Resets the Callback failed attempts counter
#CBN	Sets a Callback password
#CBR	Resets a Callback memory location
#CBS	Enables or disables Callback security
#S	Sets the Setup password
%T19,0,	Configures the country code
&V	Displays all current settings
&W	Stores the current configuration
&Z	Sets a Callback dialing string
AT	Attention
I19	Displays current country code configuration
O	Restores the remote session to <i>data mode</i>
S9	Sets the remote configuration escape character value
S9=0	Disables remote configuration
Z	Resets the modem with the new configuration

Setting the Setup password

The AT#S= command is used to set the Setup password. The password may be 1 to 8 characters and is case sensitive.

The default Setup password is 'MTSMODEM'.

NOTE: For security, Server Technology recommends changing the predefined password prior to connection to your network.

To set the Setup password:

After successfully logging into the modem with the Setup password, type **at#s=**, followed by the password and press **Enter**.

Type **atz** and press **Enter** to reset the modem with the new settings.

Example

The following set the Setup password to "OpenUp":

```
at#s=OpenUp<Enter>
OK
atz<Enter>
OK
```

Configuring the Country Code

The Sentry integrated Modem is compliant for use per Telecom Certification for the countries listed in the following table. The AT%T19,0, command is used to set the country code. The default value is 34.

NOTE: For countries not listed, please contact Server Technology Technical Support.

Country Codes

Country	Code	Result Code	Country	Code	Result Code
Argentina	37	55	Lithuania	34	52
Australia	1	1	Liechtenstein	34	52
Austria	34	52	Luxembourg	34	52
Belgium	34	52	Malaysia	36	54
Brazil	34	52	Malta	34	52
Bulgaria	34	52	Mexico	34	52
Canada	34	52	Netherlands	34	52
Chile	34	52	New Zealand	9	9
China	34	52	Norway	34	52
Cyprus	34	52	Philippines	30	48
Czech Republic	34	52	Poland	34	52
Denmark	34	52	Portugal	34	52
Estonia	34	52	Romania	34	52
Finland	34	52	Russia	34	52
France	34	52	Singapore	30	48
Germany	34	52	Slovak Republic	34	52
Greece	34	52	Slovenia	34	52
Hong Kong	30	48	South Africa*	35	53
Hungary	34	52	South Korea	30	48
Iceland	34	52	Spain	34	52
India	30	48	Sweden	34	52
Indonesia	30	48	Switzerland	34	52
Ireland	34	52	Taiwan	15	21
Israel	34	52	Thailand	30	48
Italy	34	52	Turkey	34	52
Japan	10	16	United Kingdom	34	52
Latvia	34	52	United States	34	52

*Compliance requires use of an approved surge protection device in conjunction with modem.

To configure the country code:

After successfully logging into the modem, type **at%t19,0**, followed by the country code and press **Enter**.

Type **atz** and press **Enter** to reset the modem with the new settings.

Example

The following command sets the modem for compliance in Singapore:

```
at%t19,0,30<Enter>
OK
atz<Enter>
OK
```

To verify the configured country code:

Type **ati9** and press **Enter**. The displayed Result Code should match the code listed in the previous table.

Enabling or disabling Callback Security

Callback Security provides a higher level of security against unauthorized access by requiring the connecting user to be at a predefined location when establishing a modem session to the Sentry.

When enabled, Callback Security requires submission of a valid callback password at initial connection. This password is compared to a predefined callback number/password table for a return call by the modem. The modem then terminates the initial connection and returns the call to the predefined number associated with the supplied password and upon reconnection the user is required to resubmit the callback password before proceeding with the Sentry username/password authentication.

The AT#CBS command is used to enable or disabled Callback Security.

NOTE: To use Callback Security, Auto-answer must be enabled on the calling modem (S0=1).

To enable Callback Security:

After successfully logging into the modem with the Setup password, type **at#cbs2** and press **Enter** to enable Callback Security.

Type **at&w** and press **Enter** to store the settings in nonvolatile memory.

Type **atz** and press **Enter** to reset the modem with the new settings.

Example

The following commands enable Callback Security:

```
at#cbs2<Enter>
OK
at&w<Enter>
OK
atz<Enter>
OK
```

To disable Callback Security:

After successfully logging into the modem with the Setup password, type **at#cbs0** and press **Enter** to disable Callback Security.

Type **at&w** and press **Enter** to store the settings in nonvolatile memory.

Type **atz** and press **Enter** to reset the modem with the new settings.

Example

The following commands disable Callback Security:

```
at#cbs0<Enter>
OK
at&w<Enter>
OK
atz<Enter>
OK
```

Setting Callback passwords

The AT#CBN command is used to set a password for each of the Callback dial string previously defined. Passwords must be unique and 6 to 10 characters in length.

NOTE: Passwords are case-sensitive and may not include the + or - characters and must be unique.

To set a Callback password:

After successfully logging into the modem with the Setup password, type **at#cbn**, followed by the memory location (0-29), = and the password. Press **Enter**.

Type **atz** and press **Enter** to reset the modem with the new settings.

Example

The following command sets the password for memory location 29 to 'WhOduNnIt':

```
at#cbn29=WhOduNnIt<Enter>
OK
atz<Enter>
OK
```

To verify the configured password:

After re-authenticating with the Setup password, type **at&v** and press **Enter**.

Setting Callback dial strings

The Sentry integrated Modem supports definition of up to 30 callback dial strings.

The AT&Z command is used to set a dial string. Dial strings may be up to 34 characters and may include other AT commands.

To set a Callback dial string:

After successfully logging into the modem with the Setup password, type **at&z**, followed by the memory location (0-29), **=at**, **dt** (tone-dial) or **dp** (pulse-dial) and the number/dial string. Press **Enter**.

Examples

The following command sets the dial string for memory location 0 to tone-dial, 1-775-284-2000:

```
at&z0=atdt17752842000<Enter>
```

The following command sets the dial string for memory location 29 to pulse-dial, 1-775-555-1212:

```
at&z29=atdp17755551212<Enter>
```

To verify and reset the modem with the configured dial strings:

Type **at&v** and press **Enter**.

Type **atz** and press **Enter**.

NOTE: Callback Security dial strings may also be configured to allow a user to bypass the stored number with a dynamic entry or make a direct connection without a callback. Server Technology does not recommend the use of these options as they have a negative effect on security for the modem connection.

To enable these options additional characters are required when setting a dial string:

- + enables optional dynamic callback dial string entry
- enables optional direct connection without a callback
- ,?? Used with '+' enables optional use of dynamic extension entry

Examples

The following command enables dynamic callback string and extension entry where the extension length is 5 characters:

```
at&z0=+atdt17752842000,?????<Enter>
```

The following command enables direct connection without a callback:

```
at&z0=-atdp17755551212<Enter>
```

Resetting a Callback memory location

The AT#CBR command is used to reset the dial string and password for any given memory location.

To reset a Callback memory location:

After successfully logging into the modem with the Setup password, type **at#cbr**, followed by the memory location (0-29), and press **Enter**.

Type **atz** and press **Enter** to reset the modem with the new settings.

Example

The following commands reset memory location 0:

```
at#cbr0<Enter>
OK
atz<Enter>
OK
```

Setting the maximum Callback attempts

The AT#CBA command is used to set the maximum number of callback attempts the modem will make. The valid range for Callback attempts is 1 to 255. The default value is 4.

To set the maximum Call back attempts:

After successfully logging into the modem with the Setup password, type **at#cba**, followed by the maximum number of attempts and press **Enter**.

Type **atz** and press **Enter** to reset the modem with the new settings.

Example

The following command sets the maximum Callback attempts to 1:

```
at#cba1<Enter>
OK
atz<Enter>
OK
```

Setting the Callback delay

The AT#CBD command is used to set the length in time the modem waits before attempting a callback. The valid range for the delay is 1 to 255 in seconds. The default value is 15.

To set the Callback delay:

After successfully logging into the modem with the Setup password, type **at#cbd**, followed by the delay (in seconds) and press **Enter**.

Type **atz** and press **Enter** to reset the modem with the new settings.

Example

The following command sets the Callback delay to 30 seconds:

```
at#cbd30<Enter>
OK
atz<Enter>
OK
```

Displaying Callback failed attempts counter

The Sentry integrated Modem counts the number of failed Callback passwords attempts since a reset or power-up. The AT#CBF command is used to display this count.

NOTE: The &W command may be used with the AT#CBF command to store this number in nonvolatile memory.

To display the failed attempts counter:

Type **at#cbf** and press **Enter**.

Type **atz** and press **Enter** to reset the modem with the new settings.

Resetting the Callback failed attempts counter

The AT#CBFR command is used to reset the Callback failed attempts counter.

To reset the failed attempts counter:

Type **at#cbfr** and press **Enter**.

Type **atz** and press **Enter** to reset the modem with the new settings.

Callback Security Calling Procedures

Standard - Predefined Location Only

Use the following steps when calling from a fixed location predefined in the Callback Security tables.

1. Using a communications program such as Hyper Terminal, dial the number of the integrated modem in the Sentry unit.
2. At the Password> prompt, enter the password for the number being connected from and press **Enter**.

When a valid password is provided, OK *Disconnecting* is displayed and the Sentry integrated modem disconnects.

3. After the specified Callback delay has elapsed, the Sentry integrated modem attempts to connect with the Callback dial string associated with the supplied password.
NOTE: If unable to establish a connection, the modem will retry until the maximum Callback Attempts has been reached.
4. After the modem reconnects, at the Password> prompt, re-enter the predefined password for the number being connected from and press **Enter**.

When a valid password is provided, OK *Connecting* is displayed and access to the Sentry is granted.

You are given three attempts to enter a valid password. If all three attempts fail, the modem will automatically disconnect.

Dynamic Callback Number Entry

Mobile users may need to use this procedure when connecting from a number different than the one stored with the password. The + option must have been used in the original configuration of the Callback dial string. See *Setting Callback dial strings* on page 7 for more information.

1. Use the standard procedure with the following deviation.
2. At the Password> prompt, enter the password for a number entry enabled number, followed by +, and the new dial string (ex: atdt7752842065). Press **Enter**.

When a valid password is provided, OK *Disconnecting* is displayed and the Sentry integrated modem disconnects.

The procedure continues as noted in #3 and 4 above.

Dynamic Callback Extension Entry

Users may need to use this procedure when an extension number must be provided for the dial string being called. The + and ,??? options must have been used in the original configuration of the Callback dial string. See *Setting Callback passwords* on page 7 for more information.

1. Use the standard procedure with the following deviation.
2. At the Password> prompt, enter the password for an extension entry enabled number, followed by +, and the required extension number. Press **Enter**.

When a valid password is provided, OK *Disconnecting* is displayed and the Sentry integrated modem disconnects.

The procedure continues as noted in #3 and 4 above.

Direct Connection without Callback

Use this procedure to make a direct connection to the Global Security Modem without a callback. The - option must have been used in the original configuration of the Callback dial string. See *Setting Callback dial strings* on page 7 for more information.

1. Use the standard procedure with the following deviation.
2. At the Password> prompt, enter the predefined password for the number being connected from, followed by -, and press **Enter**.

When a valid password is provided, OK *Connecting* is displayed and access to the Sentry is granted.

You are given three attempts to enter a valid password. If all three attempts fail, the modem will automatically disconnect.

Remote Configuration

Remote configuration is a useful management tool that allows a system administrator to configure the modem from one or more remote locations eliminating the need to access the modem locally when changes to the modem configuration is needed. Remote configuration is accessed through the use of an escape character sequence and the Setup password, and will allow issuance of AT commands for maintenance or troubleshooting.

NOTE: Please note that the master Setup password may not be changed remotely.

Opening a Remote Configuration Session

The instructions below assume that the default Setup password and escape character have not been changed.

1. Establish a dial-up terminal data connection with a remote Global Security Modem.
2. During the session, send three remote configuration escape characters, followed by **AT** and the Setup password, and press **Enter**:
`%%atMTSMODEM<Enter>`
You have four tries to enter the correct password before being disconnected.
3. AT commands may now be sent to configure the modem.
4. Type **AT&W0** and press **Enter** to save the new configuration.
5. Type **ATO** and press **Enter** to exit the remote configuration mode and return to the on-line data connection.

Setting the Escape Character

The AT`S9` command is used to set the remote configuration escape character value. Changing this value from the default `'%'` (ASCII – 37) further improves the security of the Global Security Modem. The escape character may be set to ASCII 1-127.

NOTE: The characters `'+'` (ASCII – 43) and `'@'` (ASCII-64) are reserved system characters and should not be used for the Remote Configuration escape character.

To set the escape character:

Type `ats9=`, the ASCII number for the desired character and press **Enter**.

Example

The following command set the escape character to `'?'` (ASCII – 63):

```
ats9=63<Enter>
```

Disabling Remote Configuration

The AT`S9=0` command is use to disable the ability to remotely configure the Global Security Modem.

NOTE: If disabled during a remote configuration session, a local session will be required to re-enable remote configuration.

Chapter 4: Appendices

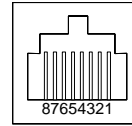
Appendix A: Technical Specifications

Data Connections

RS-232 port

Sentry Cabinet Distribution Units are equipped standard with an RJ45 DTE RS-232c serial port. This connector may be used for direct local access or from other serial devices such as a terminal server. An RJ45 crossover cable is provided for connection to an RJ45 DCE serial port.

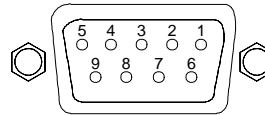
Pin	DTE Signal Name		Input/Output
1	Request to Send	RTS	Output
2	Data Terminal Ready	DTR	Output
3	Transmit Data	TD	Output
4	Signal Ground		
5	Signal Ground		
6	Receive Data	RD	Input
7	Data Set Ready	DSR	Input
8	Clear to Send	CTS	Input



RJ45 to DB9F serial port adapter

Additionally, an RJ45 to DB9F serial port adapter is provided for use in conjunction with the RJ45 crossover cable to connect to a PC DB9M DCE serial port. The adapter pinouts below reflect use of the adapter with the provided RJ45 crossover cable.

Pin	DCE Signal Name		Input/Output
1			
2	Receive Data	RD	Output
3	Transmit Data	TD	Input
4	Data Terminal Ready	DTR	Input
5	Signal Ground		
6	Data Set Ready	DSR	Output
7	Request to Send	RTS	Input
8	Clear to Send	CTS	Output



Regulatory Compliance Statements



EMC, Safety, and R&TTE Directive Compliance

The “CE” mark is affixed to this product to confirm compliance with the following European Community Directives Council Directive 2004/108/EC of 15 December 2004 on the approximation of the laws of Member States relating to electromagnetic compatibility; and Council Directive 2006/95/EC of 12 December 2006 on the harmonization of the laws of Member States relating to electrical equipment designed for use within certain voltage limits; and Council Directive 1999/5/EC of 9 March 1999 on radio equipment and telecommunications terminal equipment and the mutual recognition of their conformity.

WARNING: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.

International Modem Restrictions

Some dialing and answering defaults and restrictions may vary for international modems. Changing settings may cause a modem to become non-compliant with national telecom requirements in specific countries. Also note that some software packages may have features or lack restrictions that may cause the modem to become noncompliant.

EMC Requirements for the United States

47 CFR – FCC Part 15 Regulation

This equipment has been tested and found to comply with the limits for a **Class B** digital device, pursuant to 47 CFR – FCC Part 15 regulations. The stated limits in this regulation are designed to provide reasonable protection against harmful interference in a residential environment. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Plug the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with 47 CFR – FCC Part 15 rules. Operation of this device is subject to the following conditions:

- This device may not cause harmful interference, and
- This device must accept any interference that may cause undesired operation.

WARNING: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

EMC Requirements for Industry Canada

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement Canadien sur le matériel brouilleur.

New Zealand Telecom Warning Notice

1. The grant of a Telepermit for any item of terminal equipment indicates only that Telecom has accepted that the item complies with minimum conditions for connection to its network. It indicates no endorsement of the product by Telecom, nor does it provide any sort of warranty. Above all, it provides no assurance that any item will work correctly in all respects with another item of Telepermitted equipment of a different make or model, nor does it imply that any product is compatible with all of Telecom's network services. This equipment is not capable under all operating conditions of correct operation at the higher speed which it is designated. 33.6 kbps and 56 kbps connections are likely to be restricted to lower bit rates when connected to some PSTN implementations. Telecom will accept no responsibility should difficulties arise in such circumstances.
2. Immediately disconnect this equipment should it become physically damaged, and arrange for its disposal or repair.
3. This modem shall not be used in any manner which could constitute a nuisance to other Telecom customers.
4. This device is equipped with pulse dialing, while the Telecom standard is DTMF tone dialing. There is no guarantee that Telecom lines will always continue to support pulse dialing. Use of pulse dialing, when this equipment is connected to the same line as other equipment, may give rise to "bell tinkle" or noise and may also cause a false answer condition. Should such problems occur, the user should NOT contact the Telecom Faults Service. The preferred method of dialing is to use DTMF tones, as this is faster than pulse (decadic) dialing and is readily available on almost all New Zealand telephone exchanges.
5. Warning Notice: No "111" or other calls can be made from this device during a mains power failure.
6. This equipment may not provide for the effective hand-over of a call to another device connected to the same line.

7. Some parameters required for compliance with Telecom’s Telepermit requirements are dependent on the equipment (PC) associated with this device. The associated equipment shall be set to operate within the following limits for compliance with Telecom’s Specifications:
For repeat calls to the same number:

- There shall be no more than 10 call attempts to the same number within any 30 minute period for any single manual call initiation, and
- The equipment shall go on-hook for a period of not less than 30 seconds between the end of one attempt and the beginning of the next attempt.

For automatic calls to different numbers:

- The equipment shall be set to ensure that automatic calls to different numbers are spaced such that there is no less than 5 seconds between the end of one call attempt and the beginning of another.

8. For correct operation, total of the RN’s of all devices connected to a single line at any time should not exceed 5.

South African Statement

This modem must be used in conjunction with an approved surge protection device.

Thailand Approval

This telecom device conforms to NTC* requirements. *NTC is the National Telecommunications Commission, Thailand’s telecommunications regulator.

“เครื่องโทรคมนาคมและอุปกรณ์นี้ มีความสอดคล้องตามข้อกำหนดของ กทช.”

Brazil Approval

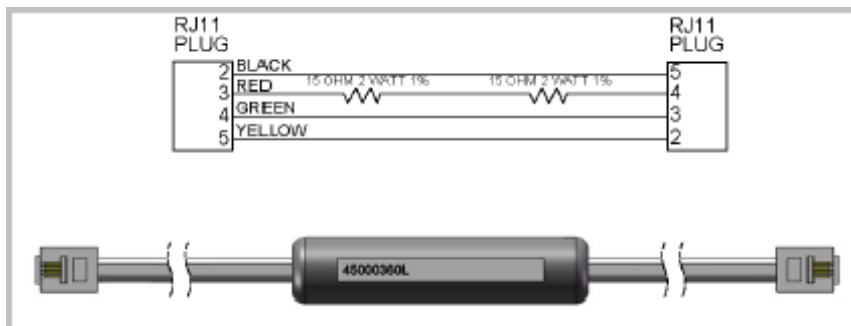
This product has been homologated by ANATEL. This product meets the applied technical requirements in accordance with the procedures regulated by ANATEL. Reference of homologation of this product can be viewed in ANATEL web page: <http://www.anatel.gov.br>



Brazil Certification (MT9234SMI Model Only)

A special phone cable is required for regulatory compliance.

Um cabo especial para telefone é requerido para a conformidade regulatória.



Other

The above country-specific examples do not cover all countries with specific regulations; they are included to show you how each country may differ. If you have trouble determining your own country’s requirements, check with Multi-Tech’s Technical Support for assistance.

Recycling



Server Technology Inc. encourages the recycling of its products. Disposal facilities, environmental conditions and regulations vary across local, state and country jurisdictions, so Server Technology encourages consultation with qualified professional and applicable regulations and authorities within your region to ensure proper disposal.

Waste Electrical and Electronic Equipment (WEEE)



In the European Union, this label indicates that this product should not be disposed of with household waste. It should be deposited at an appropriate facility to enable recovery and recycling.

For information on how to recycle this product responsibly in your country, please visit:
www.servertech.com/support/recycling.

Appendix B: Warranty, Product Registration and Support

Warranty

For [Server Technology Warranty](#) information, please see our website.

Product Registration

Registration is your key to special offers and services reserved for Registered Users.

- Excellent Technical Support Services
- Special Update and Upgrade Programs
- Warranty Protection
- Extended Warranty Service
- New Product Information

[Register your products online today!](#)

Technical Support



Experience Server Technology's FREE **SMARTER** Technical Support - [Learn more...](#)

Server Technology understands that there are often questions when installing and/or using a new product. Free Technical Support is provided from 6:00 AM to 7:00 PM, Monday-Friday, Pacific Time.

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Web: www.servertech.com

Email: support@servertech.com

Return Merchandise Authorization

If you have a unit that is not functioning properly and is in need of technical assistance or repair:

Please review Server Technology's [Return Merchandise Authorization](#) process on our website.



Server Technology

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