



TravelNet Data/Voice Cellular Router Phone Setup Guide

Direct Connection: Phone

Connect a phone to your TN2300-DV SERIES' phone (RJ11) jacks using a standard telephone cord-

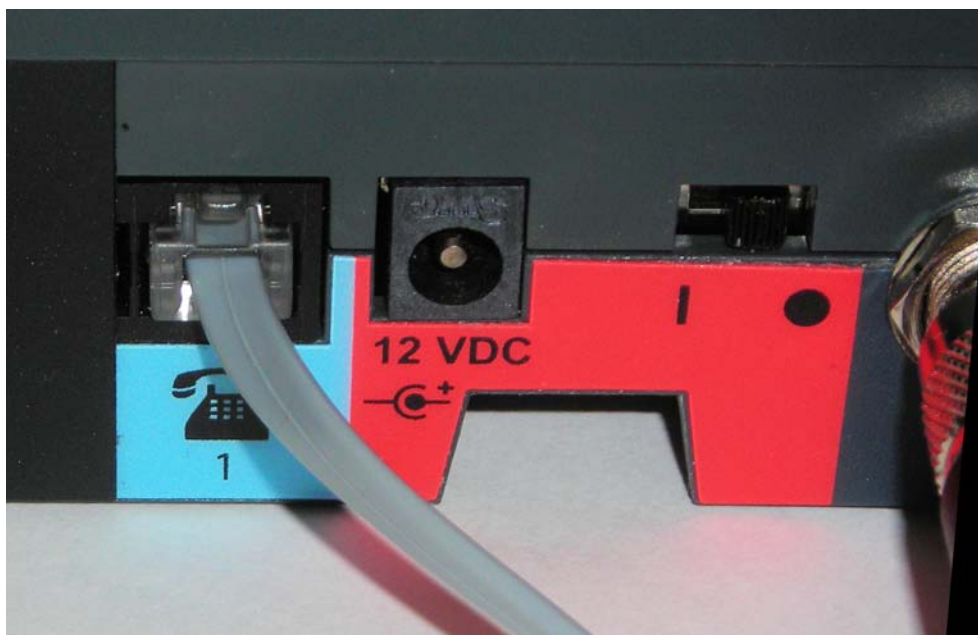


Figure 1

Connection via Wall Jacks

If you do not have local phone service, you may use your TN2300-DV SERIES to provide a connection to your wireless service for devices that are plugged into your wall jacks.

1. Connect either of your TN2300-DV SERIES' phone (RJ11) jacks to any wall jack using a standard telephone cord -

Important

DO NOT CONNECT YOUR TN2300-DV SERIES TO A WALL JACK IF YOU HAVE OUTSIDE SERVICE (I.E., A DIAL TONE) AT YOUR WALL JACK. Your TN2300-DV SERIES will not function properly and may become damaged if outside phone service has not been disconnected.

2. If desired, connect your TN2300-DV SERIES' other phone (RJ11) jack to a telephone using a standard telephone cord - **see Figure 1**
3. Connect additional phones, to any available wall jacks.



Figure 2 (phone not included)

Using the TN2300-DV Series

Once you have installed and activated your TN2300-DV SERIES, you'll be ready to make and receive calls, set up voicemail, and send and receive faxes. This section explains how to use the features of the TN2300-DV SERIES for all your communications.

Making Calls

To make a call:

1. Pick up the telephone handset. (The phone is now "off-hook.")

2. Listen for a dial tone. (If you hear a No Service tone [fast beeping], hang up and try again. If the No Service tone continues, contact your service provider to verify that cellular service is available.)
3. Dial a phone number. (When you have finished dialing, the call will be sent automatically.)

TIP: Pressing the **Flash** key or pressing and releasing the switch-hook after dialing a number will send the call immediately.

Receiving Calls

- When the telephone rings, pick up the handset and begin talking.

Ending Calls

- When you are finished with a call, hang up the phone by placing the handset back on the telephone cradle or by pressing the **Off** or **End** button.

Using In-Call Features

To place a call on hold:

- During a call, press the **Flash** key on your handset (if your phone doesn't have a **Flash** key, press and release the switch-hook).
- If you hang up your phone when a call is on hold, the call will be disconnected.

To retrieve a call on hold:

- Press the **Flash** key on your phone (or press and release the switch-hook).

To answer a call waiting call:

- When you're on an active call and a new incoming call arrives, you will hear a short tone on your phone. To place the current call on hold and answer the incoming call, press the **Flash** key on your phone (or press and release the switch-hook). (To switch between calls, simply repeat the process.)

To answer a call when you are dialing or with the phone off the hook:

- If a call comes in while you are dialing or when you have the phone off the hook, you will hear a call waiting tone on your phone. To answer the incoming call, press the **Flash** key on your phone (or press and release the switch-hook).

Call Hold and Call Waiting are not available with all service providers. These services may not be available if you are using your TN2300-DV SERIES in a roaming area. To determine these services' availability in your area, contact your service provider.

Pressing the **Flash** key or pressing and releasing the switch-hook after dialing a number will send the call immediately.

Accessing Your Voicemail

To access your voicemail using One-Touch Voicemail Retrieval:

- Press and hold the **1** button on any home phone for two seconds.

To access your voicemail using Direct Dial:

Ver. 1.6
8/3/2009

1. Dial your phone number.
2. Follow the voice prompts to retrieve your messages.

Clearing Your Voicemail Indicator

• The message light on your TN2300-DV SERIES will flash when you have a new voicemail message. The indicator should clear after you have listened to all of your new messages. If your voicemail message indicator does not clear (or if you just want to clear it manually), press **# * 1 0 5 #**.

Making a Three-Way Call

Your TN2300-DV SERIES supports three-way calling, if it is supported by your service provider.

To make a three-way call:

1. Place or answer a call on your phone.
2. Once you have established the connection with the first caller, press **Flash**, enter the second number you wish to call, then press **Flash** again. (This puts the first caller on hold and dials the second number.)
3. When you're connected to the second party, press **Flash** again to begin your three-way call. If one of the people you called hangs up during your call, you and the remaining caller stay connected. If you initiated the call and are the first to hang up, all three callers are disconnected.

Using Call Forwarding

Call Forwarding lets you forward all your incoming calls to another phone number. You can continue to make calls from your phone when Call Forwarding is activated. To activate call forwarding, contact your service provider for instructions.

Certain cellular systems may use a different method to connect three-way calls. Please contact your service provider for more information.

Adjusting Your Phone's Settings

Volume Level

If the volume level on your phone's receiver is too high or too low during a call, you can adjust the levels using the telephone keypad.

To increase the phone's volume level:

- Press **# * 8**.

To decrease the phone's volume level:

- Press **# * 3**.

Entering Configuration Mode

Many device configuration settings require you to enter Configuration Mode – the device’s programming mode – before you may input the commands.

To enter Configuration Mode:

- Press **# * 0 * <lock code> #** .

You will hear a steady tone indicating that you have entered Configuration Mode. When you press any additional key, the tone will stop.

If you correctly enter a configuration sequence for any of the settings listed, the steady tone will return and the TN2300-DV SERIES will have accepted the new setting. If you do not enter a valid sequence, you will hear three brief ascending tones followed by the steady tone (at which point you may re-enter your configuration settings).

To exit Configuration Mode, simply hang up the phone.

Changing the Lock Code

Your TN2300-DV SERIES is preconfigured with a lock code for use in entering Configuration Mode and to use with the Call Barring feature. **The default lock code is the last four digits of the phone number.**

(If no number is programmed, the default is 0000).

You may use Configuration Mode to change your lock code to any 4-digit number.

To change the Lock Code:

- From Configuration Mode, press **# * 1 4 3 * <old lock code> * <new lock code> * <new lock code> #** .

(For example, to change the default lock code from 0000 to 5555, press

* 1 4 3 * 0 0 0 0 * 5 5 5 5 * 5 5 5 5

You may change multiple settings during a single Configuration Mode session. If you enter an incorrect sequence during a Configuration Mode session, only the setting you were entering will need to be re-entered; all previous changes will be retained.

The TN2300-DV SERIES volume setting allows you to adjust the volume three levels from the default setting. The adjusted volume setting remains in effect for future calls until it is manually changed. When the TN2300-DV SERIES’ power is turned Off and On, the default mid-range volume setting is restored.

Audio Line Level

If using **# * 8** and **# * 3** does not provide satisfactory volume options for you (see "Volume Level" on page 12), you may adjust your phone system's audio line level.

To adjust your phone system's audio line level:

• From Configuration Mode, press **# * 6 9 *** <0, 1, or 2> **#**

0 = Low

1 = Normal (default)

2 = High

Auto-Send Delay

The auto-send delay is the amount of time the TN2300-DV SERIES waits to dial after you make an entry on the phone keypad. The default setting is 3 seconds and the valid range is 2-20 seconds.

To change the auto-send delay:

• From Configuration Mode, press **# * 1 1 *** <2 - 20> **#**, where you enter a number between 2 and 20 seconds. (For example, if you want the auto send delay to be five seconds, press **# * 1 1 * 5 #**.)

Frequently Dialed Numbers (Zero Delay Dialing)

If you dial a phone number twice and stay connected for at least 15 seconds, the TN2300-DV SERIES will remember that phone number in the future and automatically send it without the auto-send delay whenever you subsequently dial the number. This feature is enabled by default.

To enable Zero Delay Dialing (default setting):

• From Configuration Mode, press **# * 2 1 * 1 #**.

To disable Zero Delay Dialing:

• From Configuration Mode, press **# * 2 1 * 0 #**.

Call Barring

To avoid inadvertent service charges, you may enable your device's Call Barring feature to bar all outgoing calls (except emergency calls).

To enable Call Barring:

- From Configuration Mode, press

* 1 4 2 * 1 * <lock code>

To disable Call Barring (default setting):

- From Configuration Mode, press

* 1 4 2 * 0 * <lock code>

Call Restrict (TN2300-DV SERIES-500C only)

Call Restrict allows you to determine which calls may or may not be placed through your TN2300-DV SERIES. When the Call Restrict level is set to **Use Table**, the Call Restrict feature checks outgoing calls against user-defined permit and deny tables to determine whether to permit or deny the outgoing call. Each table (permit and deny) may contain up to ten entries.

To set the Call Restrict level:

- From Configuration Mode, press # * 1 4 5 * <1, 2,

3, or 4> # , where <1, 2, 3, or 4> are as follows:

1 = No Restriction (default setting)

2 = Use Table

3 = Emergency Only (only emergency calls permitted; all other calls denied)

4 = Clear Table

To set the Call Restrict table entries:

- From Configuration Mode, press # * 1 4 6 * <0 or

1> * <index> * <number> # , where the options are as follows:

<0 or 1> = **Table mode** (0 = Deny table; 1 = Permit table)

<index> = **Table entry**

<number> = **10-digit phone number for the Call Restrict entry**

(For example, if you wanted to add 555-123-4567 as the third entry in your Deny table, you would

press

* 1 4 6 * 0 * 3 * 5 5 5
1 2 3 4 5 6 7 #)

Dial Tone After Remote Disconnect (DTARD)

To allow you to place another call when a connection has been terminated remotely (when the other party has hung up the phone), you may elect to have the TN2300-DV SERIES return to dial tone automatically. If you elect not to enable DTARD, you will need to hang up the phone before placing another call.

To enable Dial Tone After Remote Disconnect (to return to dial tone):

- From Configuration Mode, press # * 8 * 1 #

Ver. 1.6

8/3/2009

To disable Dial Tone After Remote Disconnect:

- From Configuration Mode, press **# * 8 * 0 #** .
If Dial Tone After Remote Disconnect is disabled, additional remote disconnect options may be available. See “Disconnect Tone” on page 33 for more information.

Hotline

The Hotline feature allows you to program the TN2300-DV SERIES to automatically dial a specific phone number after a selected timeout delay whenever you take the phone off-hook.

To program the Hotline phone number:

- From Configuration Mode, press **# * 1 1 8 * <phone #> #** , where **<phone #>** is the phone number you want to dial automatically.

To enable the Hotline feature:

- From Configuration Mode, press **# * 1 1 7 * 1 * 5 # <1 - 8>** , where **<1 - 8>** equals the selected timeout delay, in seconds. (For example, if you wanted the phone to wait five seconds before dialing the hotline number, you would press from configuration mode.)

To disable the Hotline feature (default setting):

- From Configuration Mode, press **# * 1 1 7 * 0 * 1 #**

One-Minute Alert

You can keep track of your in-call duration by configuring your TN2300-DV SERIES to sound a short beep at one-minute intervals during active calls.

To enable One-Minute Alerts:

- From Configuration Mode, press **# * 9 9 * 1 #**

To disable One-Minute Alerts (default):

- From Configuration Mode, press **# * 9 9 * 0 #**

TTY Use

ATTY device (also known as a TDD or Text Telephone) is a telecommunications device that allows people who are deaf, hard of hearing, or who have speech or language disabilities to communicate by telephone. Your TN2300-DV SERIES is compatible with select TTY devices. Please check with the manufacturer of your TTY device to ensure that it supports digital wireless transmission.

To establish TTY service, contact your cellular service provider.

To set your phone's TTY mode:

• From Configuration Mode, press **# * 1 3 9 *** <0 or 3> ,
where <0 or 3> are as follows:

0 = TTY Off

3 = TTYAlways

To turn on the TTY Mode, use User Interface and turn the TTY feature on. Or optionally the TTY Mode can be turned on via the POTS command with a phone is:

* 0 * 12344321

* 139 * <parameter >

Parameters:

0 – TTY off

1 – TTY VCO

2 – TTY HCO

3 – TTY only

Voice Carry Over (VCO): The next most common call type is Voice Carry Over (VCO). VCO allows a person who is Hard-of-Hearing or Deaf and does speak to use one's voice while receiving responses from a person who is Hearing via the operator's typed text.

Hearing Carry Over (HCO): A less common call type is Hearing Carry Over (HCO). HCO allows a person who is Speech-Disabled and can hear to use one's hearing while sending responses to a person who is Hearing via the HCO user's typed text. The operator voices the HCO user's typed messages, and then the HCO users picks up the handset and listens to the other voice user's response.

Voicemail Number

You can use Configuration Mode to set the default voicemail number for your TN2300-DV SERIES.

To set the default voicemail number:

• From Configuration Mode, press **# * 1 0 1 *** <voicemail number> **#** .

For example, to set 555-123-4567 as your voicemail number, you would

press **# ***

1 0 1 * 5 5 5 1 2 3 4 5 6 7 #

If your voicemail access number includes a special character, such as an asterisk (*) or a pound sign (#), you can program it by adding an extra asterisk in front of the special character. Please refer to the examples below:

To set *86 as the default voicemail number:

- From Configuration Mode, press

* 1 0 1 * * 8 6

To set #86 as the default voicemail number:

- From Configuration Mode, press

* 1 0 1 * * # 8 6

Restore User Defaults

To restore your TN2300-DV SERIES to its default settings after changing configuration settings:

- From Configuration Mode, press # * 1 0 7 * <0 or

1> # , where

0 = Keep Current Settings and **1 = Restore to Default Settings.**

To access your voicemail, you will have to use the Direct Dial method of voicemail retrieval (see above)

For information about your voicemail service, please contact your service provider.

The voicemail settings for your TN2300-DV SERIES should have been configured prior to purchase. The instructions for Voicemail Number and One-Touch Voicemail Retrieval are mainly for your reference.

Using Additional Hardware Devices

Using an External Answering Machine

The TN2300-DV SERIES can be used with an external answering machine in place of voicemail. If you plan to use an external answering machine, be sure your service provider has not activated voicemail on your account

Setting Up Data Transfer for a Digital Video Recorder (DVR) or Satellite Receiver

The TN2300-DV SERIES can be configured to dial out over your phone line so that a Digital Video Recorder (DVR) or a satellite receiver can send and receive the data required for its operation. Your DVR or satellite receiver must also be configured to tell the TN2300-DV SERIES that it needs to send data. You must insert the prefix # * 2 # before the phone number that the DVR or satellite receiver dials. Consult your DVR or satellite receiver manual or provider if you need further assistance with this feature.

Using a Fax Machine With Your TN2305-DV (Verizon Only)

Your **TN2305-DV** supports sending and receiving faxes with a fax machine. You can connect your fax machine to an existing wall phone (RJ11) jack or into either phone (RJ11) jack of the TN2305-DV . In order to send or receive a fax, the TN2305-DV must be placed in fax mode, as it cannot automatically detect an incoming fax. (This is standard procedure for faxing over wireless networks.)

You must disable any “turbo” fax modes or other non-standard transmission modes on your fax machine.

Consult your fax machine’s manual for more information.

The TN2305-DV has two fax modes: **1-time fax mode** and **Always fax mode**.

· **1-time fax mode** will allow you to send or receive one fax, after which the TN2305-DV will automatically return to voice mode.

· **Always fax mode** will keep the TN2305-DV in fax mode until it is set back to voice mode.

To send a fax (1-time fax mode):

1. Lift up the fax machine handset or press the **Fax** button.
2. Press **# * 1 #**, then dial the fax number.
3. Press **Start** on the fax machine.

To receive a fax (1-time fax mode):

1. Set your fax machine to connect after the minimum number of rings allowed.
2. Press **# * 1 #**
3. Notify the sender that you are prepared to receive the fax.

To set your device to “Always fax mode”:

- Press **# * 5 #**

To make one voice call while in “Always fax mode”:

- Press **# * 4 #**

To return your device to voice mode (default setting):

- Press **# * 7 #**

QUESTIONS? CALL OUR SUPPORT LINE: 877-475-7771 or visit our website FAQ at <http://www.winegard.com>

**TravelNet
Winegard Company
Support: (877) 475-7771
FAX: 847-991-3328**