

TeligenT® 314 Series, Model 314-13

Connecting standard telephone equipment
to the system with the Adapter Box.

Adapter Box Manual

Installation and Basic Operations

For use with the Bluetooth Converter.

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FEATURE OVERVIEW


<u>FEATURE</u>	<u>DESCRIPTION</u>
Selecting Line	Selects the line number.
Making Internal (COM) Calls	Places a call to an inside extension number.
Making Outside Calls	Places a call to an outside number.
Global Hold	Places a call on hold that can be retrieved from any station.
Private Hold	Places a call on hold that can only be retrieved from that station.
Call Transfer	Transfers an incoming call to another extension.
Ring Paging	Causes all non-busy telephones to ring.
Broadcast	Broadcasts on the COM line to all System Phones.
Conference Calls	Connects multiple parties together in a telephone conversation.
Extension Callback/Camp-On	Rings back when the busy extension number becomes free.
COM Callback/Camp-on	Rings back when the COM line becomes free.
Do Not Disturb (DND)	Turns off all rings to a particular station.
Flash Time Adjust	Adjusts FLASH timing.
Set Up - Line Ring Preference	Selects which telephone lines will ring at a particular station.
Using The Door Phone	Allows connection to the Door Phone and activate the optional door lock.

IMPORTANT SAFETY INSTRUCTIONS

When using your telephone equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock and injury to persons, including the following:

1. Carefully read and understand all the instructions.
2. Follow all warnings and instructions marked on the product.
3. Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
4. Do not use this product near water, for example, near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool.
5. Do not place this product on an unstable cart, stand, or table. The product may fall, causing serious damage to the product.
6. Slots and openings in the cabinet and the back or bottom are provided for ventilation, to protect it from overheating, these openings must not be blocked or covered. The openings should never be blocked by placing the product on the bed, sofa, rug, or other similar surface. This product should never be placed near or over a radiator or heat register. This product should not be placed in a built-in installation unless proper ventilation is provided.
7. This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your dealer or local power company.
8. This product is equipped with a three-wire grounding type plug, a plug having a third (grounding) pin. This plug will only fit into a grounding type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the grounding type plug.
9. Do not allow anything to rest on the power cord. Do not locate this product where the cord will be abused by persons walking on it.
10. Do not overload wall outlets and extension cords as this can result in the risk of fire or electric shock.
11. Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a risk of fire or electric shock. Never spill liquid of any kind on the product.
12. To reduce the risk of electric shock, do not disassemble this product, but take it to a qualified serviceman when some service or repair work is required. Opening or removing covers may expose you to dangerous voltages or other risks. Incorrect reassembly can cause electric shock when the appliance is subsequently used.
13. Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 - a. when the power supply cord or plug is damaged or frayed.
 - b. if liquid has been spilled into the product.
 - c. if the product has been exposed to rain or water.
 - d. if the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions because improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal operation.
 - e. if the product has been dropped or the cabinet has been damaged.
 - f. if the product exhibits a distinct change in performance.
14. Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.
15. Do not use the telephone to report a gas leak in the vicinity of the leak.

SAVE THESE INSTRUCTIONS

Note:  The symbol to the left (an exclamation point within an equilateral triangle) is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying this product.

ADAPTER BOX

This Adapter Box was specifically designed to be used with the Bluetooth Cellular Phone Converter. An Adapter Box must be used with any standard telephone equipment as it converts and interfaces this equipment used with the Converter. The Adapter Box is designed to supply the power and ring voltage to support any one instrument that is designed to interface to the telephone company (CO) line. It can generally supply enough power and ring current for two modern instruments and is often used this way. A high voltage is supplied to the connected instrument when on hook. This is required to interface with devices that are equipped with parallel set detects. There are lights on the Adapter Box to indicate when lines are in use.

Each Adapter Box also has a station number that is assigned using station switches on the back of the box. A standard telephone with an Adapter Box cannot be used as Station 0 if System Phones are being used. Each station number has a primary and secondary extension number associated with it for transferring calls and internal COM calls.

Touch-tone is required to access system features.

When reading the instructions, the FLASH key can be substituted with an on hook for approximately half a second, then back off hook. On hook is when the handset is in the cradle and off hook is when the handset is picked up.

INSTALLING THE ADAPTER BOX

Carefully follow the instructions described in this section to ensure proper operation of the Model 314-13 Adapter Box with standard telephone equipment.

Install the Converter (see Bluetooth Converter Manual) BEFORE installing the Adapter Box or you may damage the Adapter Box. **WARNING:** Do not connect Adapter Boxes to telephone company lines or the equipment may be damaged.



The Adapter Box is for use only with the Bluetooth Converter.

1. Before plugging in the Adapter Box, assign a station number to each Adapter Box and System Phone.

The last four of the seven switches on the Adapter Box are used to set the station number of the Adapter Box.

READ IMPORTANT NOTE BELOW!

EVERY STATION NUMBER ON ADAPTER BOXES AND SYSTEM PHONES MUST BE DIFFERENT. Devices with the same station number will not operate.

INSTALLING THE ADAPTER BOX (cont.)








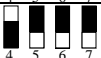






Station Numbers	Adapter Box Station Switches (On Back of Box)	Primary Extension Numbers	Secondary Extension Numbers
0	Note: Station 0 must be a System Phone if System Phones are being used. 	800	900
1	Internal	801	901
2		802	902
3		803	903
4		804	904
5		805	905
6		806	906
7		807	907
8		808	908
9		809	909
10		810	910
11		811	911
12		812	912
13		813	913

Table 1 – Assigning Station Numbers

 Denotes switch in the up position.

INSTALLING THE ADAPTER BOX (cont.)

2. Adjust the Device Switches.

The first three of the seven switches are the Device Switches that set the type of equipment to which the Adapter Box will be connected. For this System, switch 1, 2 and 3 must be up.

Telephone (UP, UP, UP)

This setting is used for standard telephone equipment. Standard telephone equipment includes standard telephones, speaker telephones, cordless telephones, and answering machines.

The Adapter Box will ring the equipment in the following cases:

- Extension is dialed.
- Global ring of all telephones. To adjust the ring delay, refer to *Set Up – Line Ring Preference*.

3. Plug the device into the Adapter Box and plug in the AC transformer.

Connect the standard equipment to the connector labeled “DEVICE” on the Adapter Box. Attach the AC transformer plug to the Adapter Box power connector, and finally plug the AC transformer plug into the wall.

4. Plug the Adapter Box “IN-HOUSE WIRE” connector into the “IN-HOUSE WIRE” connector on the Converter or to the telephone wall jack to connect to existing wiring.

Using the supplied cable, connect the connector labeled “IN-HOUSE WIRE” on the Adapter Box to either the telephone wall jack or “IN-HOUSE WIRE” connector on the Converter.

5. Test each device.

Make sure all connections to the Adapter Box are secure and in proper form. Be careful not to reverse the DEVICE and IN-HOUSE WIRE connections

Note: The first time the Converter is turned on, all the red lights on the Adapter Box will flash until the system completes the self-configuration. This may take up to three minutes. Every time an Adapter Box is plugged into the system, the red lights will blink sequentially once.

SELECTING LINE

Selects the line number.

1. **Go off hook and listen for dial tone.**
2. **Press # and using the touch-tone keypad, enter the line number.**

Touch-Tone Key	Line Number
1	Line 1
4	COM

Note: If you do not select a line, an available line will automatically be selected. By default the system will select the following order: Line 1, COM.

MAKING INTERNAL (COM) CALLS

Places a call to an inside extension number

1. **Check if the COM line is free.**
The red COM light will be off.
2. **Go off hook and press #4.**
The red COM light on the Adapter Box will light up and you should hear a dial tone.
3. **Using the touch-tone keypad, enter the extension number.**
If you receive a fast busy signal after dialing a valid extension number, then the extension you are calling is in the “Do Not Disturb” mode. See *Do Not Disturb* for details.

MAKING OUTSIDE CALLS

Places a call to an outside number.

1. **Go off hook. Before dialing, the outside line must be selected.**
If the red Line light is on, then that line is not available.
2. **Dial the number and then press #.**

GLOBAL HOLD

Places a call on hold that can be retrieved from any station

1. **Press FLASH.** (If your telephone is not equipped with a FLASH key then hold down the hook switch in the receiver cradle for approximately half a second.) The red line light will blink slowly on all stations to indicate that the call has been placed on Global Hold.

Retrieve Global Hold Call

1. **Go off hook.**
2. **Press # and select the line number that the call is held on.**

PRIVATE HOLD

Places a call on hold that can only be retrieved from that station.

1. **Press FLASH. Wait approximately two seconds, and then press FLASH slowly again.** (If your telephone is not equipped with the FLASH key then hold down the hook switch in the receiver cradle for approximately half a second.) Verify that the call has been placed on Private Hold by checking to make sure that the red line light is blinking quickly. All other stations will have a solid red line light.

Retrieve Private Hold Call

1. **Go on hook, then go off hook.**
When you go back off hook you will automatically be connected unless the call is being transferred. If the call is being transferred, retrieve Private Hold the same as Global Hold as described above.

CALL TRANSFER

Transfers an incoming call to another extension.

1. Press the FLASH key.

The red line light above the line will blink slowly to indicate that the call has been placed on Global Hold.

2. Using the touch-tone keypad, enter the extension number.

The call is automatically placed on Private Hold.

3. Option 1: Hang up.

If the call is not picked up, the call will ring back at your extension.

Option 2: Stay on the line, announce the transfer and hang up.

When you hang up, the caller will automatically be connected to the extension you entered.

Option 3: If the extension is busy, reconnect to the caller by pressing on the touch-tone keypad # 1 retrieve line 1.

Option 4: Stay on the line and announce the transfer. If the person at the extension is not able to talk, then when the extension hangs up, a beep in the earpiece notifies you that you are reconnected to the caller to take a message.

Option 5: If the extension is busy, press FLASH and perform step 2 again.

Option 6: If the extension is busy reconnect to the caller by pressing #1 then press FLASH to place the call on Global Hold.

RING PAGING

Causes all non-busy telephones on the system to ring.

1. Select the COM line by pressing # 4.

2. Press *2.

If no telephones are available, then a busy signal will sound in the earpiece.

Ringling stops when any station answers the call. This feature can be used to see if you are the only person in the building.

BROADCAST

Broadcasts on the COM line to all System Phones.

1. Go off hook on the COM line.

If the COM line is in use, then a busy tone will be heard, and this feature cannot be performed. Hang up and try again later.

2. Press *6.

If the COM line is available, the system will select it. All System Phones will emit a tone, then your voice will be broadcast through the speakers of all System Phones.

If anyone picks up the handset, the speakers on all System Phones are turned off and the person who picked up the handset is immediately connected to the broadcaster directly.

CONFERENCE CALLS

Connects multiple parties together in a telephone conversation.

1. **While connected to an outside line, press the FLASH key.**
2. **Using the touch-tone keypad, enter the extension number of the station you wish to add to the conversation.**
3. **After the extension answers, press the FLASH key.**
Conference is now active.

If the extension is busy, then the system will turn off the busy signal when you reselect the held line by pressing the FLASH key. If the extension does not answer, then when you select the held line by pressing the FLASH key, the ringing will stop. Multiple stations can be conferenced by repeating steps 1-3.

EXTENSION CALLBACK/CAMP-ON

Rings back when the busy extension number becomes free.

Enable Extension Callback/Camp-On

1. **While receiving the busy signal in the earpiece, press *8.**
The telephone will beep once in the earpiece and the red COM light will blink quickly to notify you that Callback/Camp-On is enabled.
2. **Go on hook.**
The telephone will ring back when the extension becomes free. When you go off hook the other extension will ring.

Note that only one extension can be camped-on at one time.

COM CALLBACK/CAMP-ON

Rings back when the COM line becomes free.

Enable COM Callback/Camp-On

1. Go off hook and listen for dial tone.

2. Press *.

3. Press 8.

The telephone will beep once in the earpiece and the red COM light will blink quickly to notify you that COM Callback/Camp-On is enabled.

4. Go on hook.

The telephone will ring back when the COM line becomes free. Then you can go off hook (you will hear a dial tone) and dial the extension number.

Note: To enable COM Callback after getting a busy on the COM line, first go back on hook, then go off hook again and press *8.

Disable COM Callback/Camp-On

1. Go off hook and listen for dial tone.

2. Press *.

3. Press 8.

The telephone will beep twice in the earpiece and the red COM light will stop blinking to notify you that COM Callback/Camp-On is disabled.

DO NOT DISTURB (DND)

Turns off all rings at a particular station. This will affect both primary and secondary extensions. The Adapter Box does not indicate DND mode is enabled.

Enable Do Not Disturb

- 1. Go off hook and listen for dial tone.**
- 2. Press *9.**
The telephone will beep once in the earpiece to notify you that DND is enabled.
- 3. Go on hook.**

Disable Do Not Disturb

- 1. Go off hook and listen for dial tone.**
- 2. Press **9.**
The telephone will beep twice in the earpiece to notify you that DND is disabled.

FLASH TIME ADJUST

Adjusts FLASH timing when using your telephone's FLASH key (if applicable).

- 1. Go off hook and listen for dial tone.**
- 2. Press **6.**
The telephone will beep once in the earpiece to notify you that a shorter FLASH time has been programmed. The telephone will beep twice in the earpiece to notify you that a longer FLASH time has been programmed. To change the current setting, press **6 again. There are only two settings.
- 3. Go on hook.**

This feature is used to adjust the length of the FLASH time on your telephone when the system is not responding properly. Due to the manufacturer definition of the FLASH function for their product, the FLASH key on some telephones may not work when used with the 314 System. In rare instances, neither FLASH time setting will help your telephone's FLASH key to work with this system. In this case, you can FLASH manually by using your telephone's hook switch. The 314 System comes configured with the shorter FLASH time.

SET UP - LINE RING PREFERENCE

Selects which telephone lines will ring at a particular station.

1. Go off hook.

2. Press **4.

The red line light will blink for Line 1.

3. Using the touch-tone keypad, enter the number of rings to delay.

The number key corresponds to the number of rings to delay before ringing your telephone on Line 1 (see the table below).

Number Key	Ring Delay
<i>0</i>	Ring immediately
<i>2</i>	short delay
<i>4</i>	long delay
<i>9</i>	Never rings

4. Press 9, then 9 again.

After these keys are pressed, the set up is complete.

Ring delay does not affect transferred calls and COM line calls. Ring delay is useful when you want certain telephones to ring before other telephones. The short ring delay is approximately a one ring delay and the long ring delay is approximately a two ring delay.

USING THE DOOR PHONE

Allows connection to one or two Door Phones and activate optional door locks from any phone. The COM line must be available in order to connect to the Door Phone.

To Answer a Door Phone

When the button on Door Phone 1 is pressed, all non-busy phones will emit three tones or short rings. When the button on Door Phone 2 is pressed, all non-busy phones will emit two tones or short rings.

1. Go off hook and press *5.

The system will automatically connect to the Door Phone that initiated the call. Two-way conversation through the Door Phone is now possible.

2. If an optional door lock is installed, press *5 again to activate the door lock release mechanism.

The door lock release mechanism will be activated for two seconds and then will relock. If required press *5 again to activate the door lock release mechanism subsequent times.

3. To disconnect, hang up.

To Call a Door Phone

1. Go off hook and press #4 to access the COM line.

2. Press *5.

The Door Phone (if two are installed, both Door Phones) will emit a tone and will automatically connect. Two-way conversation is now possible.

3. To disconnect, hang up.

FCC

FCC PART 15, INSTRUCTION TO THE USER

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. 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.
- * Connect 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 equipment has been verified to comply with the limits for a Class B computing device, pursuant to FCC Rules. In order to maintain compliance with FCC regulations, shielded cables must be used with this equipment. Operation with non-approved equipment or unshielded cables is likely to result in interference to radio and TV reception. The user is cautioned that changes and modifications made to the equipment without the approval of manufacturer could void the user's authority to operate this equipment.

ADDITIONAL SAFETY INSTRUCTIONS

1. Incorrect installation may cause damage to the equipment. Carefully and completely read the installation sections of this manual for details.
2. Only the power adapters that are supplied with the unit should be used. The system uses only CLASS 2 power adapters.

Note: Monitor Phones are line powered and do not require power adapters.

3. The case of this equipment is used to dissipate heat. To prevent overheating, place the Converter in an area with proper ventilation. Do not insulate this equipment by covering it with a blanket or any other material that could trap heat in the equipment.

GLOSSARY OF TERMS

Converter - The box that connects the cellular phone to the in-house wiring. It also modulates four voice channels and a digital data channel on the in-house wiring.

DTMF - or “touch tone” is an acronym for Dual Tone Multi-Frequency.

Error Tone – One low tone.

Extension - The number that is used to reference a particular station on the system.

Flash - A flash occurs when the telephone is placed on hook for about half a second and then placed off hook again. Many telephones come with a key that does the equivalent.

Hook Switch - The switch that senses whether the telephone is hung up or not.

In-House Wire - The shared single twisted pair wire or telephone type cable that connects the Converter to all of the Adapter Boxes and System Phones.

Internal or COM line - Communication channel used between two stations on the system.

Off hook - The state when the telephone receiver is off the cradle. Going “off hook” means lifting the receiver.

On hook - The state when the telephone receiver is in the cradle. Going “on hook” is equivalent to hanging up the receiver.

Operator Features - Features that are only available at the Operator Phone, station 0.

Station - Either a System Phone or an Adapter Box.

System Phone – Either a Speaker Phone or Monitor Phone.

Touch Tone – A call from an outside line where no extension number is entered.

REPAIR

If you experience trouble with this telephone equipment, please contact Creative Integrated Systems, Inc., at 949-261-6577 for information on obtaining service or repairs. The Telephone Company may ask that you disconnect this equipment from the network until the problem has been corrected or until you are sure that the equipment is not malfunctioning.