Congratulations on the purchase of your TeleMatrix model TMX 1105 Caller ID telephone. The TMX 1105 includes advanced features that are suitable in today’s environment. TeleMatrix has designed the TMX 1105 to be simple to install and easy to use. The TMX 1105 is ideal for use behind Centrex or in a PBX environment.

Your TMX 1105 telephone is a precision electronic device that requires minimum maintenance. Please be sure to read the contents set forth in the user’s guide to become familiar with the wiring and functionality of this product.
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. Read and understand all 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 bath tub, wash bowl, 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.

IF UNIT IS EQUIPPED WITH POWER ADAPTER:
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.

IF ADAPTER IS PROVIDED WITH A GROUNDED TYPE ATTACHMENT PLUG:
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.

IF ADAPTER IS PROVIDED WITH A POLARIZED ATTACHMENT PLUG:
This product is equipped with a polarized line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still not fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized 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 re-assembly 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 electrical shock from lightning.
15. Do not use the telephone to report a gas leak in the vicinity of the leak.

SAVE THESE INSTRUCTIONS
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FEATURES

? One Line Operation
? 2-Way Speakerphone (Half Duplex)
? Large, Adjustable Backlit LCD Display Shows:
  - Caller ID Information
  - Call Log Information
  - Date & Time, Name and Number
  - Number of New Messages and Total Messages
  - Dialing Verification and Active Line Status
  - Elapsed Call Timer
  - Functional Icons

? *Type II Caller ID (Caller ID on Call Waiting)
? 60 Name and Number Call Log with Scrolling and Call Back
? *Visual Message Waiting Indication – ClassSM Compatible
? Microphone Mute
? 20 Speed Dial Locations with 10 Keys
? Headset Port
? Electronic Hold with LED Indicator
? Tone Or Pulse Dialing
? Speaker and Ringer Volume Control
? Convenient Data Port
? ADA Compliant Handset with Hi/Low Volume Control
? Last Number Redial
? Flash Key (600mS)
? Pause Key
? Hold Key
? Desk or Wall Mountable
? Fully Modular, Easy To Install

*Caller ID and Class Visual Message Waiting are features that require subscription to your local telephone company provided services. These telephone features will not work unless you are a subscriber.
# DEFINITION OF CONTROLS

1. **Speed Dial Keys**
   - 10 one-touch keys used for speed dialing.

2. **Store Key**
   - Used to program speed dialing keys.

3. **Handset**
   - “K” styling, hearing-aid compatible.

4. **Redial Key**
   - Redials the last dialed number.

5. **Numeric Dial Pad**
   - Large keys used for outbound dialing.

6. **Hold Key**
   - Lighted key used for placing callers on hold.

7. **Speaker On/Off Key**
   - Used to activate the speakerphone and controlling the handset.

8. **Mute Key**
   - Lighted Key that disables the handset and speaker phone microphones for privacy.

9. **Handset Volume Key**
   - Increases the loudness of the handset receiver.

10. **Pause Key**
    - Used to program a 3 second delay in speed dialing.

11. **Flash Key**
    - Provides a 600mS timed line break.

12. **Memory Shift Key**
    - Lighted key to shift memory for speed dialing. Allows access to additional speed dial memories 11-20.

13. **MW switch**
    - Used to change Message Waiting Lamp to FSK (LED) or NEON operation.

14. **Call Back Key**
    - Used to automatically call the number displayed on the LCD screen.

15. **Delete Key**
    - Deletes the Caller ID record from memory.

16. **Up and Down Scroll Key**
    - Displays received calls in sequential order.

17. **Message Waiting Lamp**
    - LED indicator that will blink to indicate a new message in the user’s voice mail box (user must subscribe to a messaging system).

18. **LCD Display**
    - Large adjustable back-lit display that shows Caller ID, number of calls received, date and time, and call log.
DEFINITION OF CONTROLS

1. Data Port ................................................... Convenient port to connect a computer, modem, fax or answering device.

2. Speaker Volume Control ......................... Used to control the speaker volume.

3. Headset Jack ........................................ Convenient port to connect a headset.


5. Headset/Handset Selector Switch ................. Used to select headset or handset mode of operation.

6. Ringer Volume Control ......................... Controls the loudness of the ringer. Options are HI/LOW/OFF.

7. Tone/Pulse Selector Switch ....................... Used to select either “touch-tone” or electronic rotary pulse outbound dialing.

8. Telephone Line Receptacle ....................... Modular receptacle for plugging in telephone line cord. (6 conductor)
Caution

? Never install telephone wiring during a lightning storm.

? Never install telephone jacks in wet locations unless the jack is specifically designed for wet locations.

? Never touch uninstalled telephone wires or terminals unless the telephone line has been disconnected at the network interface.

? Use caution when installing or modifying telephone lines.

Parts Check List

The following parts are included with the TMX 1105:

1. 15’ Modular telephone line cord.
2. 3’ Modular telephone line cord.
3. 10’ Modular coiled handset cord.
4. 6” Modular wall mount line cord.
5. Index card sheet.
6. Power Adapter
Power Adapter “LINE” Connection

The power adapter “LINE” connection is used to connect the telephone lines from the wall jack to the telephone.

Using the 3’ modular telephone line cord provided, connect one end of the cord to the RJ14 telephone jack on the wall or base board. The remaining end of the cord plugs into the “LINE” side of the power adapter.

Power Adapter “PHONE” Connection

The power adapter “PHONE” connection is used to provide both the telephone line and the power source to the TMX1105 telephone.

Using the 15’ modular telephone line cord provided, plug one end of the line cord into the back of the TMX1105. Plug the remaining end into the power adapter jack labeled “PHONE”.

IMPORTANT!

The TMX1105 will not function if the line cord connections are not correct. If the LCD display does not activate upon installation, make sure that the telephone line cord connections are not reversed (“LINE”/“PHONE”).

Attach the line cords to the power adapter and the wall before the phone is connected.
Power Input/Output Jacks

The power adapter also includes two (2) modular jacks labeled “LINE” and “PHONE”. These jacks allow for a fully modular installation by providing both the telephone lines and the power source connections up the telephone line cord. This avoids the need for an additional power adapter.

Connecting The Power Adapter

The power adapter is a fully modular device that provides the power source to the TMX 1105 telephone.

To install, simply plug the power adapter into a standard 110V AC power outlet. A mounting hole is provided to secure the power adapter to the AC outlet.
Connecting The Handset Cord

A 10’ modular coil handset cord is provided. To install, simply plug one end of the handset cord into the modular jack on the handset. The remaining end of the handset cord plugs into the jack labeled “Handset” located on the left side of the TMX1105 base unit.

Installation Is Completed

The installation diagram shows the display configuration of the TMX1105 telephone. If the installation is correct, the following information will be displayed. (To initiate, lift the handset):

```
02/27  pm12:26
-00-    -00-
NEW     TOTAL
```
Wall Mounting Your TMX 1105

The TMX 1105 was designed to be conveniently wall mounted. There is no additional hardware required. Follow these easy steps:

1. The handset retaining clip must be engaged to secure the handset when hanging up. To engage the clip, unsnap the clip, rotate the clip 180° and then snap the clip into place.

2. The bottom of the TMX 1105 has a mounting wedge that must be re-positioned for wall mount use. This wedge will allow the telephone to be at the correct angle when wall mounted. To install the wedge for wall mounting, press the two release tabs as shown. The wedge will snap off. Rotate the wedge and snap into place for wall mounting.

Note: A 6 inch line cord is provided for wall mount installation. Connect one end of the line cord to the phone jack and the other end to the wall jack.
Language Option

This feature is used to change the LCD screen to the proper language of the person using the phone. The options are English, French or Spanish.

1. Press the “STORE” key until the LCD display reads: “-1-ENG, -2-FRA, -3-ESP”, then enter the digit number of the selected language. Note: English is the default language.

2. The selected language will display immediately after selection.
Programming The Date and Time (Manually)

The TMX2105 has the ability for the date and time to be programmed manually. Once programmed, the phone will maintain the date and time.

1. Press the “STORE” key until the LCD displays “SETUP MONTH: 01”, then enter the two-digit number of the current month by keypad (00-12). For example, “09” for September.

2. Press the “STORE” key again to store the month. The LCD screen will then display “SETUP DAY: 01”. Enter the two-digit number of the current date (00-31). For example, “09” for the ninth day in the month.

3. Press the “STORE” key again to store the day. The LCD screen will then display “AM=1 PM=2”.

4. Press “1” for AM or “2” for PM. Then LCD display “AM SELECTED PM=2” or “PM SELECTED AM=1”.

5. Press the “STORE” key until the LCD displays “SETUP HOUR: 12”, then enter the current hour (00-12).

6. Press the “STORE” key to store the hour. The LCD screen will then display “SETUP MINUTE: 00”.

7. Enter the two-digit number of the current minute(s) (00-59), press the “STORE” key to store the minute.

Programming The Date and Time (Automatically)

The TMX2105 has the ability to have the date and time programmed automatically when subscribed to telephone company Caller ID service. The date and time are set initially by the first incoming call with Caller ID information. Each incoming call refreshes the date and time. Between calls, the date and time are maintained internally by the phone unit.
**PROGRAMMING**

**Programming Procedure For Speed Dial**

The TMX 1105 has 20 one-touch speed dial locations that are convenient for dialing frequently used telephone numbers. Each speed dial location can store up to 15 digits. There are 10 speed dial keys plus a “Memory Shift” key to access the 10 additional speed dial locations, totaling 20. The “Memory Shift” key is used to select the “A” or “B” locations for each speed dial key. There is an LED indicator to show if the “A” or “B” location is selected. Follow the procedure below for programming the speed dial information. Shown at right is the information the will be displayed on the LCD for each programming step.

Note 1: Speed dial programming must be done with the telephone plugged into the telephone line and power adapter.

Note 2: Programming can be performed with the telephone on-hook.

<table>
<thead>
<tr>
<th>Step</th>
<th>Procedure</th>
<th>Display</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Verify the status of the “Memory Shift” key. For programming “A” locations, the LED indicator must be OFF. For “B” locations, the LED must be ON</td>
<td><img src="image" alt="Display: - STORE" /></td>
</tr>
<tr>
<td>2.</td>
<td>Press the “Store” key. (located under the index card on the front panel)</td>
<td><img src="image" alt="Display: 1 555-5678" /></td>
</tr>
<tr>
<td>3.</td>
<td>Dial the digits of the speed dial code using the key pad. Include Long Distance access and Area Code and Pause or Flash if needed (example: 1 555 5678).</td>
<td><img src="image" alt="Display: A memory index card is provided for convenience. Complete and place the index card onto the phone. Install the clear protective overlay by aligning the tabs with the slots" /></td>
</tr>
<tr>
<td>4.</td>
<td>Press the desired speed dial location (1—10) key where the number is to be stored.</td>
<td></td>
</tr>
</tbody>
</table>

To program additional numbers, repeat steps 1 thru 4.
To Verify Speed Dial Programming

The contents of each speed dial location can be verified or “checked” while the TMX 1105 unit is in the programming mode.

Note: memory verification is accomplished with the TMX 1105 on-hook.

<table>
<thead>
<tr>
<th>Step</th>
<th>Procedure</th>
<th>Display</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Press the “Store” key repeatedly until the word “Check” is displayed on the LCD display.</td>
<td><img src="image" alt="CHECK" /></td>
</tr>
<tr>
<td>2.</td>
<td>Press the memory location (speed dial) key for which verification is to be done. The programmed number will be displayed.</td>
<td><img src="image" alt="1-555-1234" /></td>
</tr>
<tr>
<td>3.</td>
<td>To exit the memory verification mode, press the “Store” key until the TMX1105 is back in its normal/idle state.</td>
<td><img src="image" alt="12/01 12:00 PM -00- -00- NEW TOTAL" /></td>
</tr>
</tbody>
</table>
Programming A Flash Into Memory

The “Flash” is a 600mS timed line break. This function may be required for accessing line features provided by your telephone system or local telephone company. To store a Flash, simply press the Flash key at the appropriate point in the number sequence being input for storage on a speed dial key.

Note: The “Flash” function counts as 1 digit when stored into a speed dial memory location.

Programming A Pause Into Memory

The “Pause” key is used to program a 3 second delay into memory. A speed dial number may need to pause during its dialing sequence to insure proper connections. To store a pause, simply press the Pause key at the appropriate point in the number sequence being input for storage on a speed dial key.

Note: The “Pause” function counts as 1 digit when stored into a speed dial memory location.
Programming the Area Code into Memory

The Area Code is programmed into memory to allow the phone to recognize the local area code. When this number is programmed, the Area Code WILL NOT be dialed when calling back a person within the same local calling area.

Programming The Area Code Into Memory
Note: Programming can be performed with the telephone on-hook.

1. Area Code programming must be done with the telephone plugged into the telephone line and power adapter.

2. Press the “Store” key (located under the index card) repeatedly until “AREA CODE” is displayed on the LCD screen.

3. Enter the area code number of your location using the numeric dial pad. You do not need to dial a “1” in the program (i.e. 719).

4. Press the “Store” key again and the screen will go back to its normal position.

In Some Areas, The Area Code Is Required For a Local Call
In some areas, the local service provider will use the same area code for local calls. The following options are available.

Try each of the following scenarios and use the one with the best result.

1. Program the Area Code first, then place a local test call.
2. Delete the Area Code and do not program the Access Code. Place a local test call.
3. Program the Area Code into the Access Code location. Place a local test call.
4. Use the keypad to add additional numbers to the displayed number on the screen. Place a local test call.

Note: Depending on your area and dialing pattern, you may obtain the best result by using both the access code and area code fields. If these sequences do not work, use the keypad entry as an option for your Call Back.
Programming the Access Code into Memory

The Access Code can be programmed into the phone memory at the option of the user. This function allows the user to automatically dial any number(s) required prior to the displayed number.

? The number to be programmed is based on your specific area dialing requirements and may not be required.

? This option is not mandatory for the proper operation of the Caller ID Display.

Programming The Access Code Into Memory

To Set Up The Access Code

1. Press the STORE key repeatedly until the display will read “Enter Access Code”

2. Enter the desired number, such as “9”.

NOTE: There is no need to enter PAUSE. The Call Back operation automatically inserts a 0.5 second pause after the Access Code Number.

To Delete The Access Code

1. Press the STORE key repeatedly until the display will read “Enter Access Code”

2. Press the delete key.
Tone/Pulse Switch

The Tone/Pulse switch is located on the rear edge of the telephone.

Set the Tone/Pulse selector switch to the proper dialing mode that is compatible to your line service. If your lines are equipped with “touch-tone” dialing service, set the switch to the “Tone” position. If you do not have “touch-tone” service in your area, set the switch to the “Pulse” position. The pulse setting will electronically simulate rotary dialing.

Note: The switch is factory set to “Tone”.

Ringer Volume Control

The switch is located on the left side of the telephone base. The switch has a setting option for Hi/Low/Off.

Note: The switch is factory set to the “Hi” position.

Message Waiting Switch

The switch is located under the index card on top of the telephone base. The switch has a setting option for FSK(LED) or NEON.

Note: The switch is factory set to the “FSK”(LED) position.
Message Waiting Lamp

The TMX1105 supports a low-voltage LED (FSK compatible) or a 90 Volt Neon light message waiting indicator. The LED will blink to indicate that a new message is in the user’s voice mail box.

Be sure that your telephone service provider or PBX system has the compatible messaging service available in your area. The system or telephone service provider has to activate this feature for light to illuminate.

NOTE: A Message Waiting (MW) switch must be on the correct position for the message waiting lamp to operate. See “Switch Settings” in this manual.

*Caller ID and Class Visual Message Waiting are features that require subscription to your local telephone company provided services. These telephone features will not work unless you are a subscriber.
Placing A Call Using The Speakerphone

The TMX 1105 is equipped with a high quality speakerphone feature to allow for hands free operation. To use, simply press the “Speaker On/Off” key when placing or answering a call. The telephone line will activate automatically. The “Speaker” key will light up indicating that the speakerphone is in-use. To hang-up, press the “Speaker On/Off” key again.

Note: The speakerphone is disabled when the HEADSET mode is active. If you wish to use the hands free speakerphone, make sure the “Headset/Handset” switch is in the “Handset” position. (refer to page 28 for further information).
Using The Data Port

The TMX 1105 is equipped with a convenient port on the right side of the base unit. This modular receptacle is used to plug in any standard telephone device such as a computer modem, answering machine or fax machine.
Using The Mute Feature

A “Mute” key is provided to allow privacy during a background conversation. When the “Mute” key is activated, the microphones in the handset and the speakerphone are disabled. When the “Mute” feature is activated, the caller will not hear your voice. The “Mute” key will light to show that the feature is activated. To de-activate, press the “Mute” key again.
Using The Hold Feature

The “Hold” key is used to place a caller on hold. To use, simply press the “Hold” key. The key will light indicating that the line is on hold.

When placing a caller on hold, the handset can be returned to its on-hook position. The line will not be disconnected. To return to the caller, lift the handset or press the “Speaker” key for hands-free operation. Hold can also be released when the call is picked up from an extension.
Redial

The “Redial” key is used to automatically redial the last number that was dialed from the keypad.

To use:

? Lift the handset (or press Speaker On/Off key).
? Press the “Redial” key.
? The number that was last dialed will be redialed.
Handset Volume Control

The TMX 1105 is equipped with an ADA/FCC compliant handset volume control located on the face of the phone. When the “Volume” key is pressed, the volume of the handset receiver is increased by 12-15 decibels.

The “Volume” key is a one-step volume control. When pressed, the volume will increase. If pressed again, the volume will reset back to its normal level.

Note:
1. When the handset volume feature is activated, the volume will automatically reset back to its normal level when hanging up.
2. The handset will not be operational if the headset switch is activated in the headset position. See the “Headset” section on page 27—28 for headset instructions.
**Headset**

The TMX 1105 is equipped with a separate port for plugging in an optional headset. The headset feature allows calls to be handled using the “Speaker On/Off” key to answer and hang-up the line automatically. This avoids having to use the hookswitch/handset to process telephone calls while using the headset.

The headset port is a “carbon-compatible” port. There are many varieties of headset models available. Be sure to specify that the headset needs to be a “carbon-compatible” type that is FCC Part 68 approved.

**Installing Your Headset**

1. The headset port is located on the left side of the telephone base unit.

2. Plug the modular end of the headset cord into the modular port of the telephone labeled “HEADSET”.

3. Slide the “HEADSET/HANDSET” selector switch to the “HEADSET” position.
Using A Headset

As mentioned, the “Speaker On/Off” Key controls answering and hanging-up the telephone line. When using the headset feature, the handset remains on-hook at all times. There is no need to use the hookswitch.

Placing/Answering A Call
Using The Headset Feature

? To answer an incoming call, press the “Speaker” On/Off key to answer.

? To end the call, press the “Speaker” On/Off key again. The line will automatically hang up.

? To Place an outbound call, press the “Speaker” On/Off key to obtain dial tone.

? Dial using the the keypad or a speed dial key.

? To end the call, press the “Speaker” On/Off key again. The line will automatically hang up.

Note:
When using the HEADSET mode, the handset will be disabled. You will not hear anything in the handset while in the HEADSET mode.

To return to using the handset, simply set the “HEADSET/HANDSET” switch to the “HANDSET” position.
Caller Identification LCD Features (Caller ID Display)

The TMX1105 is equipped with a backlit Liquid Crystal Display (LCD) that displays Caller ID (Name and Number, Call Log, Message Waiting Indicator, Time & Date, Line in Use).

There are four keys; UP, DOWN, DELETE, and CALL BACK, that help manage stored information.

Information available on the screen when in an idle mode (on hook) is:

1. Date, Time, and an Envelope on the first line. The envelope will appear only when a message has been received.

2. (“NEW”) - The number of “NEW” messages that were incoming since last retrieved messages.

3. (“TOTAL”) - The total of messages received and stored into memory (up to 60 messages).

Feature Note: The LCD display backlighting feature is activated upon receipt of the first ring or with in-use operation of the handset or speakerphone (incoming and outgoing calls).

* Caller ID and Class Visual Message Waiting are features that require subscription to your local telephone company provided services. These telephone features will not work unless you are a subscriber.
LCD Tilt Feature
The LCD can be tilted upward for direct viewing and easy reading. Tilt the LCD to the desired position by lifting up the back of LCD housing. (40° maximum upward tilt).

LCD Function Keys
There are four easy to use keys located below the LCD panel to manage incoming caller information: UP, DOWN, DELETE and CALL BACK.

These keys are used in conjunction with the Caller Log.
On Hook Display Mode

?Clock — The current date and time is continually displayed. (top line) Note: The clock is controlled by the incoming Caller ID signals from your telephone service provider. It is not user adjustable.

?Number of Calls — The number of “New” calls (unanswered) and “Total” number of calls in storage is displayed. (middle line)

? Data Display Line — The current activity is displayed as NEW and TOTAL to compliment the Number of Calls. (bottom line)

Dialing Display Mode

? Clock — The current date and time is displayed along with an off hook handset display. (top line)

? Dialing of Number — The number you are dialing will display as you press the dial keys or with the “Redial” feature, the last number dialed will be displayed. (middle line)

? Data Display Line — The current activity is “TALK” when the receiver is Off Hook. (last line)
Caller Identification (Caller ID) Display Information

The Caller name and number is displayed on the LCD between the first and second ring. You may elect to answer or allow the call to be forwarded to the PBX/telephone company voice mail system. The number will then be stored in the phone memory for later retrieval.

Caller ID Storage Capacity
The storage capacity of the TMX 1105 is 60 numbers and names. When the memory is full, the oldest of the 60 call records will be automatically deleted, and the newest call will be accepted into memory.

Initializing Date & Time
The TMX 1105 Date & Time functions are NOT user/installer programmable. The Date & Time are set initially by the first incoming call with Caller ID information. Each incoming call refreshes the Date & Time. Between calls, the Time & Date are maintained internally by the TMX1105.

Feature Note: If the same calling number connects multiple times, the call log will display the last call only.

*The Caller ID feature will operate ONLY if you subscribe to Caller ID features with your local telephone company and if your PBX telephone system is equipped with the technology required to pass Caller ID data from the telephone line. If you are uncertain whether your PBX telephone system can transfer Caller ID data, contact your telephone system coordinator, or your PBX Service Company or the PBX manufacturer.
Call Waiting LCD Display Information

The TMX1105 display supports Type II Caller ID. This type of Caller ID allows users to receive and identify Call Waiting callers. The user has the option to answer the call or allow the call to automatically be forwarded to the users voice mail*.

Incoming Call with Call Waiting*

When the user is on one call and has Caller ID on Call Waiting, Caller ID information for the Call Waiting Call will be displayed on the screen. The display will show the following information:

1. The date and time of the incoming call, a “phone” and a “CW” symbol
2. The location number of the call in storage, and the incoming call number
3. The incoming caller’s name.

Note: When the call goes to voice mail, the information can be retrieved from the call log.

* Caller ID and Class Visual Message Waiting are features that require subscription to your local telephone company provided services. These telephone features will not work unless you are a subscriber.
Call Back Feature Use and Operation

The Call Back Feature allows the user to call back stored or displayed numbers that are on the display. A displayed number is a number that is from the last incoming call, or from the user selected call log number when using the “UP” or “DOWN” key. The Call Back feature allows the user to add or delete characters to accurately pattern the number to be called.

Call Back Feature LCD Information

Information available on the LCD when using the CALL BACK feature includes incoming call history:

1. The date and time of the incoming call.
2. The location number of the call in storage.
3. The caller’s number.
4. The caller’s name.

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Number</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>02/27 pm</td>
<td>12:26</td>
<td>555-1212</td>
<td>JOHN DOE</td>
</tr>
</tbody>
</table>
CALL BACK SCROLLING FEATURE

This feature allows the TMX1105 to automatically dial back any number that is displayed on the LCD screen.

Instructions for locating the number to call back

1. Press the **UP** or **DOWN** key to activate stored memory. The LCD screen will display “TOP OF LIST” or “BOTTOM OF LIST”. Scroll to the desired number in memory.
2. Lift Handset or use the Speaker On/Off key.
3. Then, press the **CALL BACK** key to dial the displayed number. The number will appear on the screen as it is dialed.

**Feature Note:** Enter the area code into storage to properly use this feature. The area code entered allows the phone to recognize your local area code.

**Feature Note:** The **CALL BACK** feature will dial any number that is displayed on the LCD screen. If a number is not displayed on the screen, then there is no number in memory. Contact your local telephone service provider to see what services they have to recognize private party calls or anonymous calls that elect to NOT forward their phone number.
Adding or Deleting Characters on The LCD Display

To Add Characters to The Displayed Number
1. Press the “UP” or “DOWN” key to activate the display for scrolling.
2. Scroll the “UP” or “DOWN” key to find the number to be dialed.
3. If you need to add a number PRIOR to the numeric string on the display, press the keypad number you require and it will be placed on the display for dialing.
4. Lift handset or use the Speaker key.
5. Press the CALL BACK key to dial the number.

Note: The number can only be inserted prior to the displayed digits. See Delete Characters for improper inserted characters.

To Delete Characters From The Displayed Number
Any characters improperly inserted or area codes on the Caller Log can be deleted.
1. Press the “UP” or “DOWN” key to activate the display for scrolling.
2. Scroll the “UP” or “DOWN” key to find the number to be dialed.
3. Add a character by pressing a keypad number to activate the editing feature.
4. Press the Delete key to start deleting individual characters.
5. Lift handset or use the Speaker key.
6. Press the CALL BACK key to dial the number.

Note: When deleting characters from a caller’s identity, the Call Log will not be changed.
CALL BACK SCROLLING FEATURE

This feature allows the user to scroll through the caller log to locate and automatically dial the number that is displayed on the LCD screen.

Instructions for locating the number to call back

1. Press the **UP** or **DOWN** key to activate stored memory. The LCD screen will display “TOP OF LIST” or “BOTTOM OF LIST”. Scroll to the desired number in memory.
2. Lift Handset or use the Speaker On/Off key.
3. Then, press the **CALL BACK** key to dial the displayed number. The number will appear on the screen as it is dialed.

**Feature Note:** Enter the area code into storage to properly use this feature. The area code entered allows the phone to recognize your local area code.

**Feature Note:** The **CALL BACK** feature will dial any number that is displayed on the LCD screen. If a number is not displayed on the screen, then there is no number in memory. Contact your local telephone service provider to see what services they have to recognize private party calls or anonymous calls that elect to NOT forward their phone number.
Scrolling The LCD Display

UPWARD SCROLLING
Scrolls caller information from the bottom of the stored incoming calls in memory.

Instructions
1. Press the DOWN key to reach the bottom of the list. The LCD screen will display “BOTTOM OF LIST” indicating the oldest calling information is the starting point.
2. Then, press the UP key to scroll upward to review the information in memory.

DOWNWARD SCROLLING
Scrolls caller information from the top of the stored incoming calls in memory.

Instructions
1. Press the UP key to reach the top of the list. The LCD screen will display “TOP OF LIST” indicating the most current calling information is the starting point.
2. Then, press the DOWN key to scroll downward to review the information in memory.
Adding or Deleting Call Log Information

DELETE ONE STORED CALL

1. Press the **UP** or **DOWN** key to activate stored memory. The LCD screen will display “TOP OF LIST” or “BOTTOM OF LIST”. Scroll to the number to be deleted.
2. Then, press the **DELETE** key once and the LCD will display the question DELETE?.
3. Press the delete key a second time to delete.

DELETE ALL STORED CALLS

1. Press the **UP** or **DOWN** key to activate stored memory. The LCD screen will display “TOP OF LIST” or “BOTTOM OF LIST”. Scroll to the first number in memory.
2. Press & hold the **DELETE** key for 6 seconds. The LCD will display the question “DELETE ALL?”.
3. Release and press the delete key again.
Incoming Ring Signal Display Mode

? Clock — The current date and time is continually displayed along with a battery indicator (top line).
Note: The clock is controlled by the incoming Caller ID signals from your telephone service provider. It is not user adjustable.

? Incoming Call — “NEW” or “REPEAT” call display informs you of the message memory location of the call being received and whether the call is a Repeat caller or New caller (middle line).

? Caller Identification — Identifies the caller when that caller has properly set up their system to identify themselves. Each service area may have different identification display systems and is usually controlled by the calling party. Check your local phone service provider for their specific feature options available (bottom line).

“In Use” and “Timer” Display Features

? Clock — The current date and time is continually displayed along with a phone in use indicator (top line).

? Dialed Number — The number you dialed and connected to (middle line).

? Data Display Line — The current activity is “TALK”. As soon as the line connects, the Timer Display activates. This tracks the current call length (bottom line).
“No Calls” Display
This activates when lifting the handset. It indicates that no calls were received, and that no messages are available.

This integrates with your PBX/telephone company messaging service.

“Line Error” Display
Indicates that there was a line error when attempting to connect to the dialed party.
Keep the telephone dry. If it gets wet, wipe it dry immediately. Liquids might contain minerals that can corrode the electronic circuits.

Use and store the telephone only in normal temperature environments. Temperature extremes can shorten the life of electronic devices, damage batteries, and distort or melt plastic parts.

Keep the telephone away from excessive dust and dirt that can cause premature wear of parts.

Wipe the telephone with a damp cloth occasionally to keep it looking new. Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the system.
When problems arise during installation or service that cannot be resolved using this or related documents, contact the TeleMatrix Technical Service department 8:30a.m. - 4:30p.m. MST:

   Toll Free:  1-800-462-9446  
   Direct:        719-638-8821  
   Fax:            719-638-8815  
   www.telematrixusa.com

Many times a problem is either installation or user related. Please contact TeleMatrix PRIOR to sending a telephone to our service center for repair. In the unlikely event that a factory repair be necessary:

1. Include a brief description of the trouble that you are experiencing.  
2. Include a proof of purchase for a repair under warranty.  
3. Send the telephone prepaid by UPS or Parcel Post insured to:

   TeleMatrix, Inc.  
   Customer Care Center  
   5025 Galley Road  
   Colorado Springs, CO. 80915
STATEMENT OF LIMITED WARRANTY

TeleMatrix, Inc. ("TeleMatrix") warrants to its customers that products manufactured by TeleMatrix are free from defects in materials and workmanship. TeleMatrix’s obligations under this warranty are limited to repairing or replacing, at TeleMatrix’s option, the part or parts of the products which are reported defective within two (2) years after the date of purchase. TeleMatrix will, at its option, either repair the defective products or parts or deliver replacements for defective products or parts on an exchange basis to buyer. Products returned to TeleMatrix under this warranty will become the property of TeleMatrix.

All warranties are subject to the following conditions:
1. If the telephones have been damaged, abused, adjusted, modified or tampered with by other than TeleMatrix authorized personnel, the warranties above are voided.
2. Improper installation, maintenance, misuse or any cause other than ordinary application will void the above warranties.
3. This warranty is good only in the United States Of America and Canada.
4. The cost and risk of loss or damage for sending the phone to TeleMatrix will be borne by you. TeleMatrix will pay to return the repaired phone to you.
5. Warranties on phones repaired by TeleMatrix are good until the end of the original warranty or 90 days whichever is longer.
6. All warranties are void from defects caused by fire, flood, natural disaster or acts of God.
7. Proof of date of purchase is required to be submitted with the phone when returned for warranty repair.

Some states do not allow limitations on how long an implied warranty lasts or exclusions or limitations of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

The foregoing TeleMatrix limited warranty is in lieu of all other warranties, whether oral, written expressed, implied or statutory. Implied warranties of merchantability and fitness for a particular purpose do not apply. TeleMatrix warranty obligations hereunder are solely and exclusively as stated herein.

TeleMatrix liability, whether based on contract, tort, warranty, strict liability or any other theory, shall not exceed the price of the individual unit whose defect or damage is the basis of the claim. In no event shall TeleMatrix be liable for any loss of profits, loss of use of facilities or equipment, or other indirect, incidental or consequential damages.

TeleMatrix will make every effort to satisfy its customers under the terms of this warranty. Should a dispute arise, the company does not employ any specific dispute settlement mechanism. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.