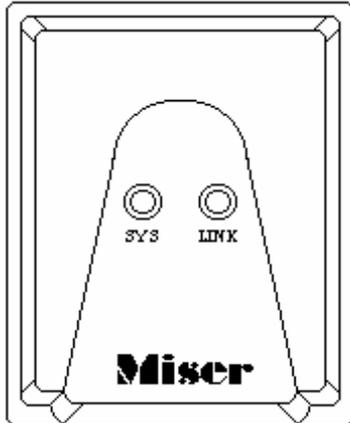


MISER
telephone scrambling
system



MODEL: TA-TS620RAN

OPERATION MANUAL



**** PRECAUTIONS ****

- Operate the unit only on 9 VDC.
- For AC operation, use the supplied AC power adapter with unit. Do not use any other AC power adapter. For battery operation, use the 9 VDC battery recommended for this unit only.
- Disconnect the AC power adapter from the wall outlet when it is not to be used for an extended period of time.
- When the device is not to be used for a long period of time or is to be operated extensively on AC current, remove the battery to avoid device damage from battery leakage.
- Do not place the device in a location near heat sources such as radiators or in a place subject to direct sunlight.

Should any liquid or solid object fall into the device, unplug the device and remove the battery, and have the device checked by qualified personnel before operating it any further.

Package Checklist

Accessories

1. An Operating Manual.
2. A 110 Volts AC Power adapter (Figure 1).
3. A Telephone Line cord with both sides phone jack (Figure 2).
4. A special off-line secure code setting cable (Figure 3).

Figure 1



Figure 2



Figure 3

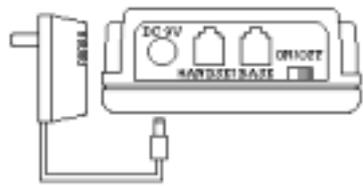


Installation Instructions

Installation procedure

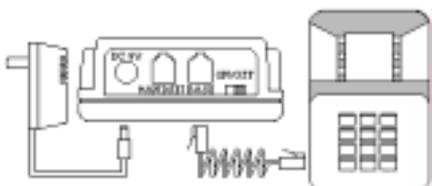
1. Plug the AC adapter to AC power outlet (Figure 4).
2. Connect the other adapter end to Miser **DC 9V** jack (Figure 4).

Figure 4



- Remove the handset cord from the phone set base jack. Place one end of the line cord (Figure 5) to the Miser jack labeled **BASE**. Plug the other end of the line cord to the phone set base jack. (Figure 5).

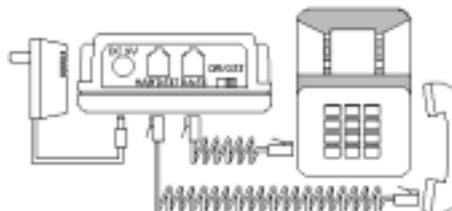
Figure 5



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- Connect the handset line cord to the Miser jack labeled **HANDSET** (Figure 6).

Figure 6

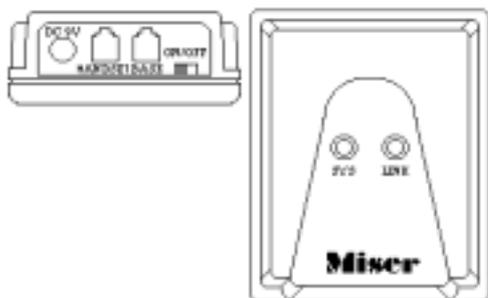


- Pick up the handset to check the telephone set. If you cannot hear the tone sound, means that the telephone set cannot fit the unit. Please replace it.

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- Turn the Miser **ON/OFF** switch to the ON position. Verify the SYS LED is lit in GREEN color (Figure 7).

Figure 7



Note: For portable use, connect a 9V DC battery (not included) in the battery compartment (rear of unit). When Miser is not in use set the **ON/OFF** switch to the OFF position to extend the battery's life.

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* * PROGRAMMINGS * *

1. Programming the Access Code

The **Access Code** consists of two parts: a **Location Code** and a **Security Code**.

The **Access Code** must be the same for both parties.

The **Location Code** consists of a single digit entry. A total of 10 **Location Codes** are available from 0 to 9 (Keypad numbers).

The **Security Code** consists of a minimum of two (2) digits, to a maximum of five (5) digits, where the range is from 00 to 99,999.

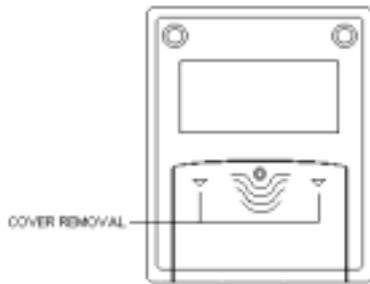
Example: An **Access Code** of 1256 indicates **Location Code** of 1 and **Security Code** of 256.

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- **House phone operation**

1. Remove bottom cover. Place thumbs on cover removal arrows and press down and out. Install a 9V DC battery (Figure 8).
2. Replace bottom cover.

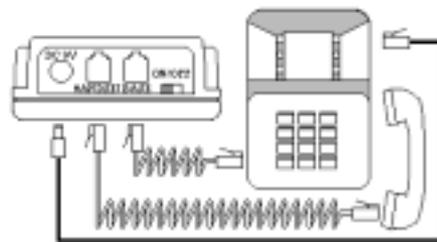
Figure 8



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3. Disconnect the telephone line from the phone BASE. Insert the special phone line cable to the phone base RJ11 jack (Figure 9). Connect the other end to the Miser jack labeled **DC 9V**. Note that if the phone is the extension phone of a Key Telephone System, it cannot be used for programming. Please replace it by an ordinary telephone set.
4. Now you are ready to program the **Access Codes**.

Figure 9



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5. Remove the handset for the phone base. Push the “#” sign. The Miser **SYS** LED changes to RED color and **LINK** LED changes to YELLOW color.
6. Enter the Location Code, for example: “1”.
7. Enter the Security Code (00-99999), within 15 seconds of entering the Location Code, example: “256”.
8. Enter “#” for terminating the Access Code entry. The **SYS** LED will change to GREEN color. The **LINK** LED will turn OFF.
9. If the Access Code is entered wrong, wait for the **SYS** LED to change to GREEN color then repeat step 5 and enter the Access Code.
10. If multiple Access Codes are to be entered, repeat steps 3 through 8. (A maximum of ten (10) Access Codes are allowed).
11. Replace the phone handset.
12. Disconnect the special Access Code phone line cable.
13. Connect the telephone line to the base.
14. The Access Code programming is complete.

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- **Office phone operation**

1. Remove the handset for the phone base. Push the “#” sign. The Miser **SYS** LED changes to RED color and **LINK** LED changes to YELLOW color.
2. Enter the Location Code, for example: “1”.
3. Enter the Security Code (00-99999), within 15 seconds of entering the Location Code, example: “256”.
4. Enter “#” for terminating the Access Code entry. The **SYS** LED will change to GREEN color. The **LINK** LED will turn OFF.
5. If the Access Code is entered wrong, wait for the **SYS** LED to change to GREEN color then repeat step 1 and enter the Access Code.
6. If multiple Access Codes are to be entered, repeat steps 1 through 4. (A maximum of ten (10) Access Codes are allowed).
7. Replace the phone handset.
8. Disconnect the special Access Code phone line cable.
9. Connect the telephone line to the base.
10. The Access Code programming is complete.

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<p>2. Amplifying the handset microphone</p> <ol style="list-style-type: none"> 1. Remove the handset from the phone base, listen for dial tone, push the "*" key twice. 2. This procedure will amplify the microphone level not the speaker level. If the receiver end is too loud, hang-up the telephone, then amplify the microphone, repeat the call. 3. Do not amplify the microphone level, during conversation. Both microphones on the link will be amplified. 4. If handset has a high pitch noise immediately disable the microphone amplifier by pushing the "*" key twice. 5. Power on the Miser by placing the ON/OFF switch to the ON position. When the LINK LED blinks in YELLOW color three times, the microphone amplifier is enabled. The microphone amplifier can be disabled by depressing the "*" key twice. <p style="text-align: center;">Page 13 of 15</p>	<p>2. Activate the Secure Link</p> <ol style="list-style-type: none"> 1. Place the ON/OFF switch to the ON position. Verify the SYS LED is GREEN color. 2. For an international long distance call, first push the "*" key and the "#" key then follow the next step for setting the secure link. 3. After the phone link is established. Depress the "*" key. The LINK LED will change to YELLOW color. 4. Within 5 seconds, enter the Location Code, for example:"1". The LINK LED will be GREEN color. The link is in secure mode. 5. If the LINK LED is not in GREEN color, repeat steps 3 and 4. 6. The Security Code must be the same for both parties for the Secure Link to function properly. 7. While the Secure Link function is active, the background has a Ping-Pong tone for guaranteeing that the Secure Link function is active. <p style="text-align: center;">Page 14 of 15</p>
<p>3 Terminate the Secure Link</p> <p>To terminate the Secure Link function, depress the "*" key. The LINK LED will be OFF and the SYS LED will be GREEN color. If the LINK LED is still on, depress the "*" key to disable again.</p> <p style="text-align: center;">Page 15 of 15</p>	<p style="text-align: center;">TRONIC ACE TECHNOLOGY INC. http://www.unitone.com.tw sales@unitone.com.tw</p>