



K-TECH NEW WAVE AUTODIALER—ET701

QUICK GUIDE AND INSTRUCTIONS

DESCRIPTION

The New Wave™ Emergency Dialer from K-Tech is a touch-tone automatic dialer. The New Wave™ is powered by a standard analog two-wire telephone line. When triggered, the unit will automatically dial the programmed number (up to 30 digits including pauses).

WIRING

The incoming telephone line should be terminated with an RJ11 type modular. Outgoing wiring should be minimum 20 AWG twisted/shielded wire.

RECOMMENDED TELEPHONE LINE SPECIFICATIONS

Line Voltage 48 VDC (± 3 VDC) on-hook voltage

Loop Current 30 mA minimum (lower current will cause low volume and misdialing)

Compatible line types are standard analog, two-wire central office lines from the local telephone company or some internal PBX systems.

The telephone line will be assigned a telephone number which allows the called party to call back to the dialer and phones. Take care to note this number and supply it to the called party.

PROGRAMMING

1. Plug the modular cord into the RJ11 modular jack.
2. Press and hold the *PROGRAM* button and wait for the second LED to light.
3. Continue to hold the *PROGRAM* button and press *MEM*, then enter the emergency telephone number to be dialed, then press *STORE*.
4. **Note** –Second LED will light up for each key press
5. Finally, release the *PROGRAM* button

Note: some internal telephone (PBX) systems require an "access digit" to secure an outside telephone line (e.g. "9"). A PAUSE may be needed between the "9" and the rest of the telephone number.

Examples:

long distance: 9 PAUSE 1-234-567-8900

Local: 9 PAUSE 123-4567

INSTALLATION

Plastic enclosure mounts to flat surface. Find a suitable mounting location near the RJ11C type modular jack (within the length of the included modular cord - 14'). **Be sure to locate the unit away from sources of AC noise, such as lighting fixtures, conduits, or an elevator controller.**

1. Mount the enclosure drilling through the mounting pads and using self tapping screws.
2. Route the modular cord to the RJ11C type modular jack. Do not connect at this time.
3. Install the phone(s).
4. Refer to the wiring diagram (Figure 1) and make all necessary connections.
5. Plug the modular cord into the RJ11C modular jack.
6. Proceed to *PROGRAMMING* (or refer to the inside cover of the dialer enclosure). Be sure to write the emergency telephone number on the label on the inside cover
7. Test the system.

TESTING

1. Press the activating push-button of the phone. Dial tone will be heard for a few seconds, then the automatic dialing will commence.
 2. Close and secure the cover of the New Wave™ Emergency Dialer.
- Note: Make sure wiring does not interfere with components and keypad when finalizing installation.**

TROUBLE SHOOTING

1. When the phone is activated, dial tone is heard, but the emergency number is not dialed.

Try reprogramming the number to be dialed.

2. When activated, the phone dials, but the dial tone never goes away.

Check with the telephone company to be sure that the telephone line is not a rotary (pulse) dial line. Line must be touch-tone compatible.

3. The phone dials but doesn't connect. Get a message from the CO or a fast busy signal.

Verify that the correct emergency telephone number is programmed, and the number is working.

If dialing from an internal (PBX) system, verify that the proper access number (typically "9") is dialed, and that there is a *PAUSE* inserted between it and the phone number to allow for the CO dial tone to occur.

4. The New Wave™ Emergency Dialer loses memory.

The phone(s) should be installed on shielded, twisted pair if in an area of high AC inductance. If an elevator application, the shield wire should be continuous from the elevator through the controller and grounded to a true earth ground at one end only.

SPECIFICATIONS

Power Requirements Unit is phone line powered

Programming Integral keypad entry

Dialing Mode Tone (DTMF)

Digit Capacity Up to 30 digits (including pauses) can be stored (pause duration is 1 second)

Connection Parallel - Tip and Ring to modular RJ11C connector

Circuit Protection Varistor lightning suppressor and full wave polarity guard

FCC NOTICE:

This equipment complies with Part 68 of the FCC rules and the requirements adopted by the ACTA. On the transformer on the Printed Circuit Board of this equipment is a label that contains, among other information, a product identifier in the form **US: 10MUSA-18075-MT-E**

If requested, this number must be provided to the telephone company.



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



NOTE: There are no user serviceable components in this unit. Please return the unit to K-Tech for repair.

WARRANTY:

K-Tech International, Inc. warrants equipment of its own manufacture to be free from defects in material and workmanship for a period of one year from date of shipment from factory or appointed distributor to original user. For more information see the complete warranty information at: http://www.ktechonline.com/pdf/general/warranty_repairs_returns_200908.pdf

REPAIR POLICY

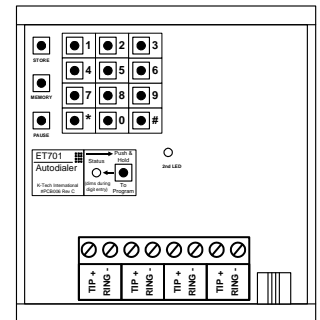
K-Tech International, Inc. has a customer repair policy which requires that all customer repairs have a preassigned Return Authorization (RA) number. This system assists us in better serving our customers by ensuring accurate identification and prompt turnaround for returned product. If you need to return a product for repair, please contact our Customer Service Department at 800-993-9399 or 860-489-9399 for a Repair Authorization (RA) number. Please have the following information available when requesting authorization:

1. Bill To and Ship To addresses
 2. Name and telephone number of contact person for this Repair Authorization (RA)
 3. Purchase Order # for this Repair Authorization (RA)
 4. Job site name
 5. Quantity, model number(s), and serial number(s)
- Brief description of problem experienced with the unit(s)

SHIPPING:

Please reference the Repair Authorization (RA) number on the outside of all cartons and on all paperwork enclosed with the product. Undocumented returns run the risk of being lost and are untraceable. All material must be shipped on a Freight Prepaid basis. Collect shipments will be refused.

IMPORTANT:
maintain proper TIP
and RING polarity
throughout installation
TIP is (+) Ring is (-)



Recommended Wire:
20 AWG shielded &
twisted pair

RJ11C
jack

14 ft. modular cord

K-Tech International
56 Ella Grasso Ave
Torrington CT 06790

1.800.993.9399
860-489-9399
860-489-4399 (Fax)
www.KTechOnline.com



ET701 with ET501 Series

DESCRIPTION/INSTALLATION

Plastic enclosure mounts to flat surface .

Find a suitable mounting location near the RJ11C type modular jack (within the length of the included 14' modular cord). **Be sure to locate the unit away from sources of AC noise, such as lighting fixtures, conduits, or an elevator controller.**

1. Mount the enclosure drilling through the mounting pads and using self tapping screws.
2. Route the modular cord to the RJ11C type modular jack. **Be sure to route the cord away from sources of AC noise, such as lighting fixtures, conduits, and the elevator controller.**
3. Plug the modular cord into the RJ11C modular jack.
4. Proceed to *PROGRAMMING* (or refer to the inside cover of the dialer enclosure). Be sure to write the emergency telephone number on the label on the inside cover of the New Wave™ Emergency Dialer.
5. Install the phone(s) checking that the polarity is correct, refer to the wiring diagram and make all necessary connections.
6. Test the system.

TROUBLESHOOTING

The polarity of the line to the dialer is important. Since it is a plug in jack, do not assume the polarity is correct. With phones disconnected check the screw terminals on the dialer to a good ground. There should be no voltage from Tip to Ground, and a negative voltage from Ring to ground.

The procedure below assumes open phone line voltage of 48VDC,

Loop current capacity of 30-mA min.

Voltage drop of no more that .5 volt across dialer

Dialer properly programmed

Phone batteries properly charged (8.4 volts or better)

If any of the above are not correct – stop and call K-Tech.

1. Disconnect all phones, (marking the wires), except for one.
2. Check battery voltage, it should be 8.5 V +
3. Check line voltage at the phone, it should be 42 + volts.
4. Activate phone, battery voltage should stay above 6V
5. You should hear a dial tone and the phone should start dialing.
- 6.

Leaving the phone hooked up, now hook the second one up and go back to step 1 to test the second phone.

Note: for testing, a standard 9V alkaline battery can be used **temporarily! (1 - 5 days only)**

Any other questions, please call K-Tech @ 800-993-9399.

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K-Tech ET501/701 Wiring

K-Tech Emergency Speakerphones

IMPORTANT:
maintain proper TIP and RING polarity throughout installation
TIP is (+) Ring is (-)

New Wave Emergency Dialer (ET701)

