

USER MANUAL

VHF UHF Transmitter

Models : TE-300 50KEY Transmitter

TE-300 Transmitter is used to page guests or staffs in a limited area, especially suitable for factory, restaurant and hospital. The operation is simple and friendly to keep good communication with your guests and staffs.

There are 50 push buttons for your choice. Each button is able to independently page a single person and also available to page more than one person at the same time, as well. In addition, it has the flash light as a reminder and also can repeat paging the guests/staffs automatically when the one you page has not shown up.

Transmitter

Be aware at following situations ,which will help to extend the life cycle of transmitter.

-  Don't change transmitter or tamper with its original appearance.
-  Don't put transmitter close to a heat source or in light direct sun.
-  Don't put transmitter in dust , moisture or on uneven surface.
-  Don't soak transmitter into the water.
-  Never operate the device with out the correct Gold Apollo antenna , or a suitable artificial load , connected.

INSTRUCTION FOR OPERATION:

1. Activate paging:

Press any button among these 50 push buttons, the light will flash and enter active mode, then send the signal out.

To repeat paging : In the active mode, it can be programmed to send the same message every 30 sec. or 45 sec, or 60 sec, or 2 minutes, or 5 minutes or continuo

To page more than one person :

More than one button can be activated at the same time to page more than one person.

[Option]

LED Sign Display (Only for Gold Apollo LED Sign) :

It's an option on the software.

When the button is pressed, it will activate to send the signal and show the number on the LED Display at the same time.

The numbers on the Display will be arranged by sequence, the first number always shows up firstly. , 30 minutes ,

2. Stop paging:

In the active mode or Time out mode, pressing the same button again to stop paging, at the same time the repeating and the number on the LED sign will be cancelled.

3."Time out" Message display:

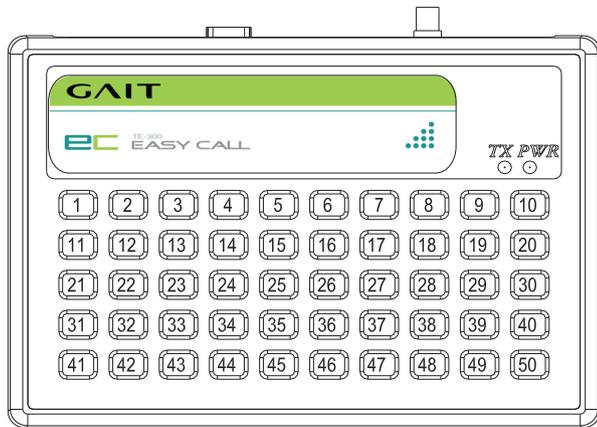
Once the option of "Time Out" message display is enable, the button will be flash after being pressed for a certain time, and will also send the message to the assigned location or person as a reminder

4.Heart Beat (anti-theft):

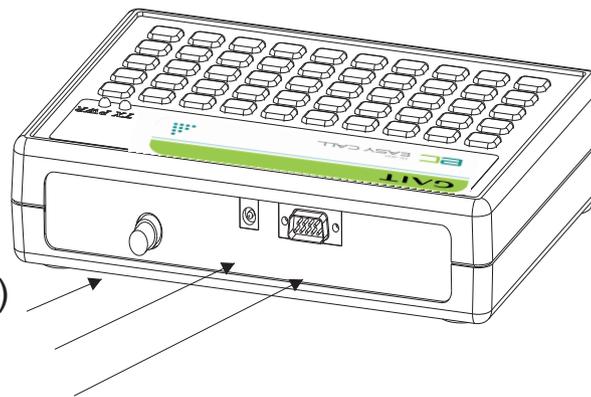
After activate the option of " heart beat ", the transmitter will send heart beat signal every 15 sec, 30 sec, 45 sec, 1 minute, 2 minutes, 4 minutes or 6 minutes. The time-gap is programmable.

Function \ Location

Outlook



- 1.TX (Rad) Transmit LED
- 2.PWR(Orange) Power LED



1. Antenna Connect (BNC 50 ohm)
2. Power Connect (8.4V/1.5A)
3. RS232 D-SUB (FEMALE 9PIN)

System Specifications

1. Frequency range : 147~170MHz,
450~470MHz.
2. Modulation Type : F S K
3. Channel spacing : 12.5 / 25MHz
4. Output power (ERP): 1W
5. Maximum deviation: +/-4.5KHz
6. Harmonic Radiation : less - 25dBm
7. Frequency stability : 2.5ppm at -10C~60C
8. Output Connect : BNC (F)
9. Current Consumption :
Standby : 100mA ; Transmit : 400mA
7. Dimensions : 23.2 (W)*50 (H)*17(D)
8. Weight : 650g (No Antenna)

Instruction for Flash Light:

1. Active mode: when the button is pressed , the light will be turned on to enter the active mode, then the signal will be sent and repeated, as well.
2. Stop mode: Re-pressing the button to turn off the light represented " Stop mode ". Under the active mode or "Time Out " mode, to press the button again can also enter stop mode.
3. Time Out mode: After repeating paging for a certain time, the light of button will be flashing, then go to Time out mode,

Instruction for programming:

1. Activate screen: to set up basic configurations , such as cap code and frequency from button No. 1 to button No. 50

The screenshot shows the TE300A software interface. At the top, there is a menu bar with 'File(F)', 'Page', 'IoFlash', 'System', and 'About'. Below the menu bar are several icons. The main configuration area includes:

- Channel Space: 12.5K
- Frequency: 4545000 00Hz
- Port: COM 1
- Baud: 1200 bps
- FunBit: 0 0
- Invert Polarity
- Version: (highlighted)

Below the configuration area, there are tabs for 'Pager DataBase 1-40', 'Pager DataBase 41-50', and 'Config Page'. The 'Config Page' is active, displaying a table with 40 rows and 8 columns:

Index	Address	Index	Address	Index	Address	Index	Address
1	1234560	11	1234570	21	1234580	31	1234590
2	1234561	12	1234571	22	1234581	32	1234591
3	1234562	13	1234572	23	1234582	33	1234592
4	1234563	14	1234573	24	1234583	34	1234593
5	1234564	15	1234574	25	1234584	35	1234594
6	1234565	16	1234575	26	1234585	36	1234595
7	1234566	17	1234576	27	1234586	37	1234596
8	1234567	18	1234577	28	1234587	38	1234597
9	1234568	19	1234578	29	1234588	39	1234598
10	1234569	20	1234579	30	1234589	40	1234599

3. Configuration Instruction:

TIME OUT LED OFF : to enable this option, when it's time out for a certain number, it will enter off mode after the time out message is sent if there is a message preprogrammed.

BEEP OFF : to enable this option, this button has no beep sound

Time Out : to enable this option represent the button has been pressed for a certain time and not been delete yet, the light of button can be flash or send out the message to an assigned location or person as reminder. It can be programmable for 5 min, 10 min, 15 min, 30 min, or Disable.

TX Repeat time : to set up time-gap for repeating page before Time out , it can be programmable for 30sec retary , 45 sec, 60 sec, 2 min, 5 min or disable

LED Msg, enable : to enable this option, the number you press will be shown on the LED display.

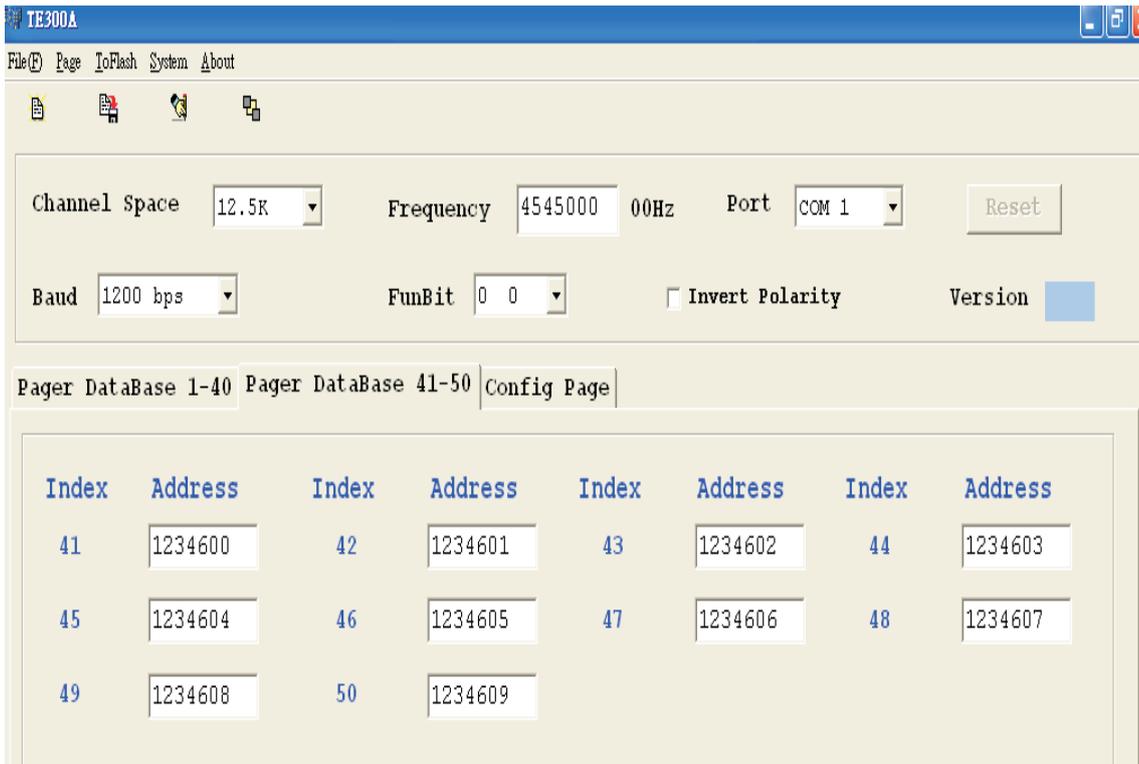
LED SIGN CAPCODE: to set up the cap code of LED sign display

Head of LED Sign message : the title displayed on the LED Sign

Timeout Msg. Enabl: to enable this option, the preprogrammed message will be sent out when it's time up

Head of Timeout message: the title displayed before the Time out message.

2.



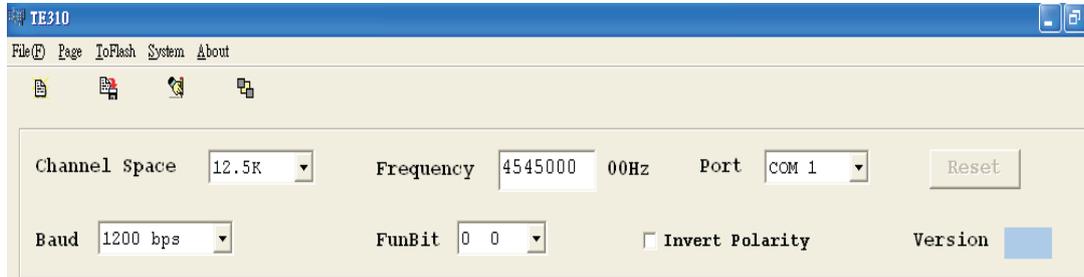
3.Config :

The screenshot shows the TE300A configuration window. At the top, there is a menu bar with 'File(F)', 'Page', 'IoFlash', 'System', and 'About'. Below the menu bar are several icons. The main configuration area includes the following fields and controls:

- Channel Space: 12.5K (dropdown)
- Frequency: 4545000 00Hz (text input)
- Port: COM 1 (dropdown)
- Reset: (button)
- Baud: 1200 bps (dropdown)
- FunBit: 0 0 (dropdown)
- Invert Polarity: (checkbox)
- Version: (button)

Below these fields are three tabs: 'Pager DataBase 1-40', 'Pager DataBase 41-50', and 'Config Page'. The 'Config Page' is selected and shows a 'Config' section with the following options:

- Timeout LED OFF: (checkbox)
- Beep OFF: (checkbox)
- 128Hz Wave Out: (checkbox)
- Timeout: 5 min (dropdown)
- TX RepeatTime: 30 second (dropdown)
- HeartBeat: Disable (dropdown)
- LED Msg. Enable: (checkbox)
- LED Sign Capcode: 1234610 (text input)
- Head of LED Sign Message: Paging Guest: (text input)
- Timeout Msg. Enable: (checkbox)
- Timeout Capcode: 1234611 (text input)
- Head of Timeout Message: Timeout Guest: (text input)



4. Write: please see the above

In the main menu of the window to execute the command of "To flash\Write" for programming

5. Read: please see the above

in the main menu of the window to execute the command of "To Flash\Read" to read the data.

Product Name : Transmitter
Models : TE-300

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