Wireless Devices Inc.

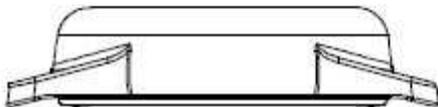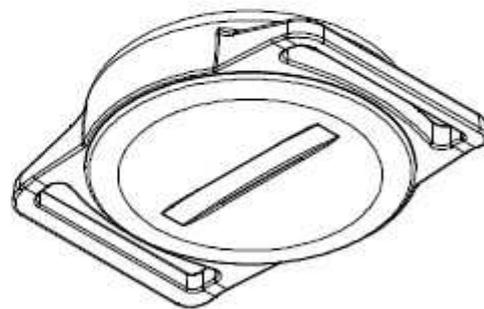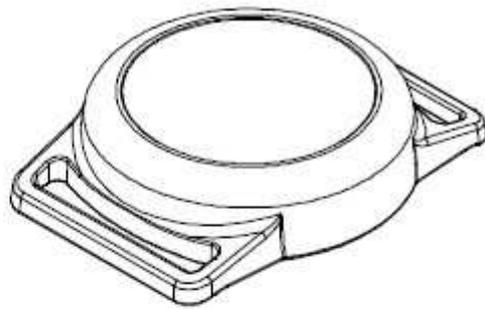# Pendant and Wristwatch Paging Transmitter (POCSAG)

Model No. M-840L Operation Manual

The M-840L Pendant and Wristwatch transmitter is designed to directly page the nurses or health care persons with a single "*Red* Bell " Button depressing. No need to dial any telephone to get the urgent helps. And the installation is simple without any wiring connections. Also, the operation is easy to access every quick emergency aids. Calling Nurse for helps? You can simply just by pressing the "*Red Bell*" button
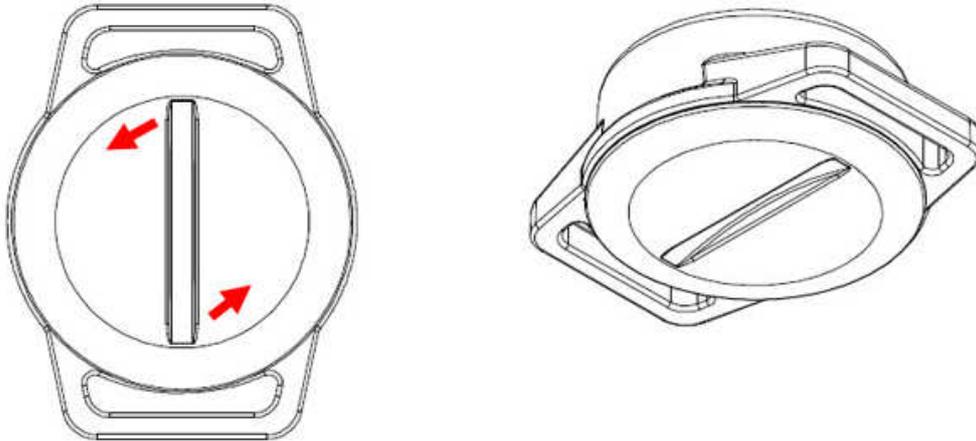
Main Features

A. Waterproof in 10 meters deep

B. PLL (Frequency synthesized) 303MHz - 915MHz..

C. Frequency RF power and POCSAG capcode Programming by Micro USB

D. Long battery life use x1 CR-2450 over 2 years (10 times TX per day)

E. TX LED indicate and Battery low flashing and Automatically sends battery low message
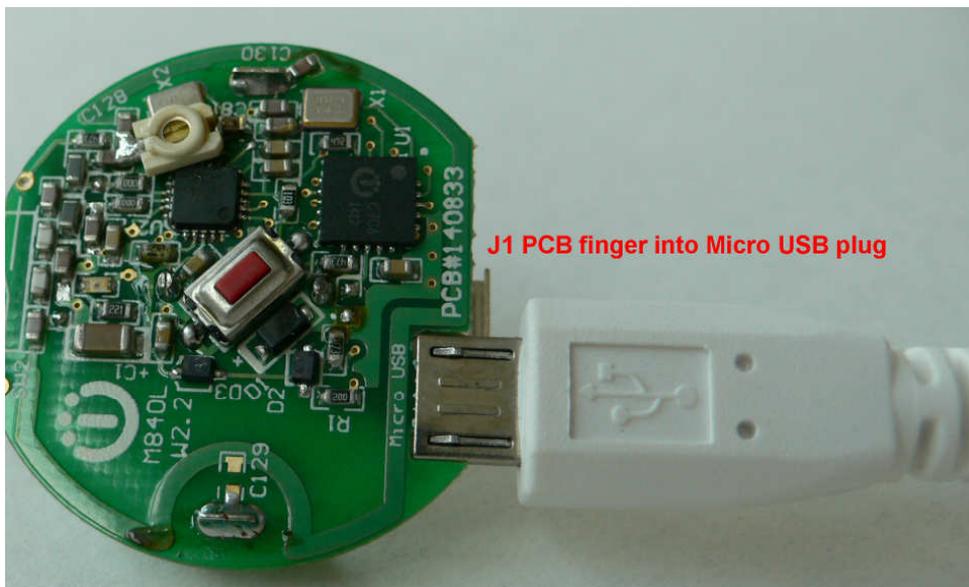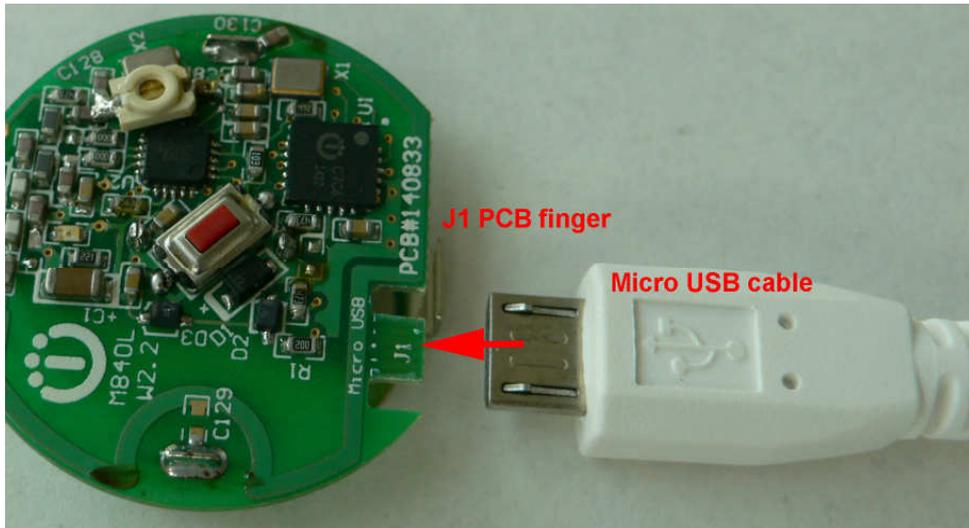
M-840L Specifications

Mode No.	M-840L
Paging format:	POCSAG
Frequency::	303MHz – 915MHz Synthesized
Baud rate:	512bps / 1200bps / 2400bps.
Message:	Numeric and Alphanumeric (Max 40 Character).
Message data:	Numeric or Alphanumeric.
RF output	1-12 mW. Programmable.
Modulation:	FSK ,NRZ.
Deviation:	4.5Khz.
Stability:	±1 ppm (Frequency oscillator by TCXO)
Pager Capacity:	1 Button and 1 Battery alarm .(also option +1 reed switch inside)
Battery:	CR2450 Lithium battery x 1 PCs.
Battery life	About 2 year. (10 Time per day).
Programming I/O:	Via Micro USB with P/C.
Size:	39mm X 17mm.
Housing Color:	ABS Black.
Model Weight:	24gs (with batteries).

A. How to program the M-840L

1). Open the M-840L rear case battery cover

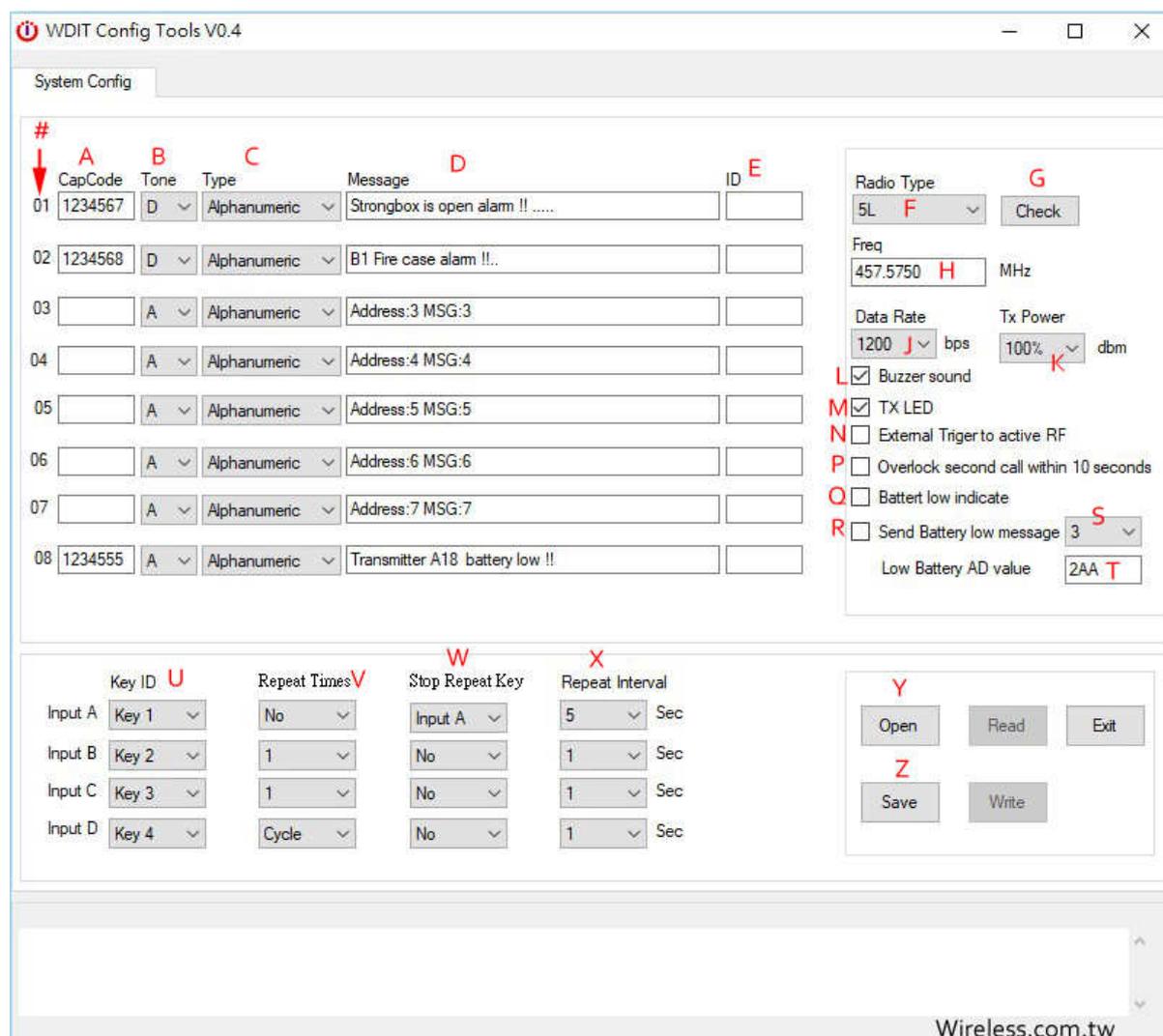2). Insert the Micro USB programming cable into the M-840L J1

J1 PCB finger

Micro USB cable

J1 PCB finger into Micro USB plug

3).Connect the USB cable to the P/C or N/B computer USB Port

WDIT Synthesizer POCSAG Transmitter (v0.4 on 2020)

For M-810L, M-820L, M-840L, M-851L,NP-115L,TX-115L…

Tips to set up the programming parameters

1. Install the programming AP execution file
2. WDIT_Config_Tools.exe Click and then run the programming software.
3. Connect the USB plug into the device and the PC USB port.

Example Programming Screen as Below:

1. A. Capcode**:** 01-16 POCSAG address range 0000008-2097151 for POCSAG encoder option.
2. B. Tone A, B, C, D: For pager alert tone for POCSAG encoder option.
3. C. Type: For pager numeric or alphanumeric type selection.
4. D. Message **:** Pre-programming the encoder messages for pager contents
5. E. ID: Messages send in "[ ]" for example [ID].

6. F. Radio Type: Select 5L or 25. Also click [Check] for auto select.

7. G. Radio IC select**:** click [Check] for auto select.

8. H. Frequency.

9. J. Data Rate: POCSAG data speed and baud rate in 512bps or 1200bps or 2400bps types.

10. K. Transmitter power adjust 100% about 12dBm.

11. L. Buzzer on or off (if the transmitter inside a buzzer)

12. M. Transmitter TX indicate by LED on or off.

13. N. External input select.

14. P. Over lock within 10 second. With this option on, only sends same message once within 10 seconds.

15. Q. Battery low by LED indicate. on or off

16. R. When battery low below alert value, send a message to the pager.

17. S. Which message to send when a low battery warning, Cap code 1 or..8

18. T. Battery low alert value. Factory default [36D] about 2.6V.

19. U. Switch (input) A.B.C.D. corresponding of capcode 01-08.(see item A capcode)

20. V. Repeater time set up: Each paging to be calling repeated times.

21. W. When Repeater function is active, which button should be used to stop this action

22. X. When the repeater function is enabled, how long is the interval between repeat.

23. Y. Open files from folder.

24. Z. Save files to folder.

25. Read: Reading the programmed contents from your devices.

26. Write: Write the programming contents into your devices.

27. Exit**:** Exiting the programming screen.

Factory Default Set-up

The Key button (Red key) push 1 time for Capcope 1 sending with TX LED flashing 1 time.

Customers Option Set-up by Order Request

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