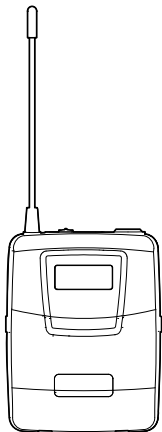


# CHIAYO

Operation manual

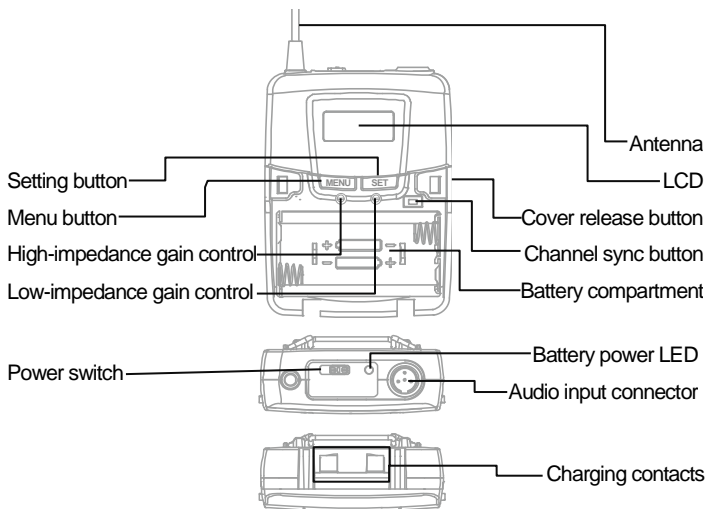
## DB-2400

Digital Belt-pack Transmitter



CHIAYO ELECTRONICS CO.,LTD.

## Parts and functions



### Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**FCC Caution:** To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example - use only shielded interface cables when connecting to computer or peripheral devices).

## FCC Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 0.5 centimeters between the radiator and your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The antennas used for this transmitter must be installed to provide a separation distance of at least 0.5 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

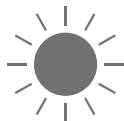
- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

- Frequency: 2400~2483.5MHz       Maximal power: 6.47dBm  
 CE declaration info: [www.chiayo.com.tw/declaration.html](http://www.chiayo.com.tw/declaration.html)

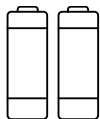
## Battery installation & indicator



When the transmitter is switched ON, the battery power LED (red) will blink once to denote the batteries installed are in good condition



If the LED remains illuminated the batteries have expired and require replacement.



This transmitter requires 2 x AA batteries to operate.

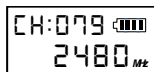
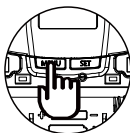


To install, open the battery cover using the cover release buttons and insert the batteries into the battery compartment.

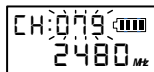
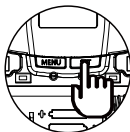
**IMPORTANT:** Batteries contain a corrosive acid that may leak and damage the transmitter when stored for a long period. Batteries should be removed from the transmitter before storing without use for more than 4 weeks.

## Changing CHANNEL / FREQUENCY

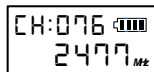
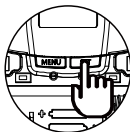
- 1** Press-release **MENU** button until the CHANNEL-FREQUENCY page appears.



- 
- 2** Press and hold **SET** button until the channel number flashes to denote readiness for setting.



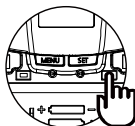
- 
- 3** Press-release **SET** (UP) or **MENU** (DOWN) button to select a new channel.



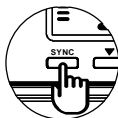
- 
- 4** After a channel is chosen, wait about 3 seconds to store the setting.

## Channel synchronizing of the receiver and transmitter

- 1 Open the cover and then press and hold the synchronizing button until **LINK** flashes on the LCD.

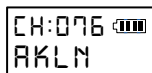
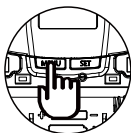


- 2 Press and hold the receiver's **SYNC** button until the frequency icon **FREQ** appears. After successful channel synchronizing, this icon will disappear automatically.

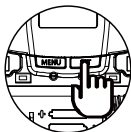


## Battery type setting

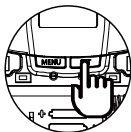
- 1** Press-release **MENU** button until the CHANNEL-BATTERY TYPE page appears..



- 
- 2** Press and hold **SET** button until **NIMH** or **AKLN** flashes to denote readiness for setting.



- 
- 3** Press-release **SET** or **MENU** button to select either NiMH (rechargeable battery) or AKLN (alkaline battery).

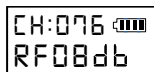
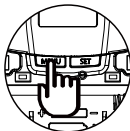


- 
- 4** After a battery type is chosen, wait about 3 seconds to store the setting.

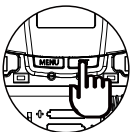
**IMPORTANT:** NiMH battery must be selected when rechargeable battery is being used. Never select AKLN (alkaline) when transmitter is intended for charging as alkaline battery isn't rechargeable. Wrong battery selection will result in battery sensing electronics to display wrong and misleading status information.

## RF power setting

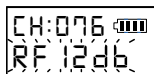
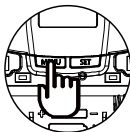
- 1 Press-release **MENU** button until the CHANNEL-RF POWER page appears.



- 2 Press and hold **SET** button until the RF power figure flashes to denote readiness for setting.



- 3 Press-release **SET** (UP) or **MENU** (DOWN) button to choose an output level from 0db to 20db.

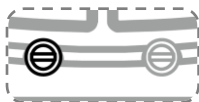
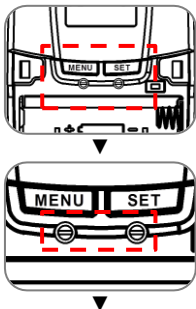


- 4 After an output level is chosen, wait about 3 seconds to store the setting.

**IMPORTANT:** Lower output power will reduce the RF transmission distance and higher output power will extend the possible RF transmission distance. However, higher output power places slightly more load on the battery and will reduce operating duration faster than lower output power.

## GAIN setting (GT | MT)

Gain control enables the user to set different output levels.



**GT (LEFT)** is for the use of instrument with high impedance, such as guitar.



**MT (RIGHT)** is for the use of low impedance such as lapel or headset microphones

### **CHIAYO ELECTRONICS CO.,LTD.**

Http://www.chiayo.com.tw | Email: sales@chiayo.com.tw

Office: 30, Lane 27, Section 4, Jen-Ai Road, Taipei 10685, Taiwan

Tel: 886-2-27415741 | Fax: 886-2-27525242

Factory: 88, Chung-Hsiao Street 2, Chiayi 60080, Taiwan

Tel: 886-5-2711000 | Fax: 886-5-5767611

