

INTRODUCTION

Thank You

Thank you for purchasing the **CY-1** multi-band radio. Please read the manual thoroughly before operating and keep this book in a safe place for future reference.

Included Items:

- ✓ **CY-1** Radio
- ✓ Lithium Battery
- ✓ USB Cable
- ✓ Operating Manual
- ✓ Strap

STATEMENT

Our engineers devoted three years to research and development of this **CY-1** emergency outdoor radio. the world first multi-band dial radio.it's perfect for outdoor use and sports activities, as well as indoor use during power outages or emergencies. the **CY-1** will quickly become an indispensable entertainment partner, and a helper during emergencies .

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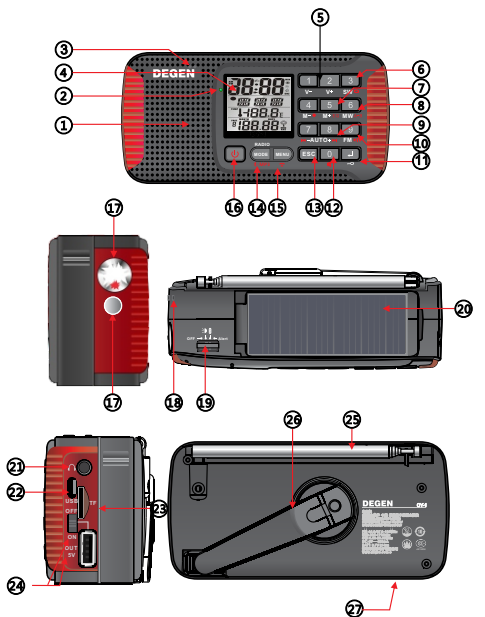
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LOCATION CONTROLS

LOCATION CONTROLS



- ① Speaker ② Charge lamp ③ Built-in MIC
④ Display

LOCATION CONTROLS

- ⑤ Volume knob: Pressing V+ increases volume
Pressing V- decreases volume 1 e 2
- ⑥ In radio mode: SW button 3
In music mode: Choose play cycle mode
In radio mode: M+
In music mode: press to select and play EQ 5
- ⑦ In radio mode: M-, long press to record radio
In other mode: long press to enter MIC recording
- ⑧ In radio mode: MW button 6
In music mode: A-B repeat
In radio mode: Frequency+
In music mode: Next song/fast forward 7 e 8
- ⑨ In radio mode: Frequency-
In music mode: Preview song/fast backward 9
In radio mode: FM button; Press to select FM stereo/mono
- ⑩ In music mode: Play/Pause 9
In recording mode: Pause/Continue
- ⑪ In radio mode: Long press to lock/unlock keys 1
In music mode: Long press to digital switch
- ⑫ NO. Button: 0-9 Mute 0
Escape button: Press to exit ESC
- ⑬ In Main menu: Press to display time
In recording mode: Press to end recording and auto store the recorded file into the memory

LOCATION CONTROLS

⑭ Radio/Bluetooth/MP3 mode selection

In Bluetooth mode: link with mobile device, short

⑮ press income calls can be answered and terminated

Menu button: Press to enter menu/sub-menu or confirm

In time set mode: Press to move cursor

⑯ Power button ⑰ Flashlight/SOS light

⑱ Hand Strap

⑲ Alarm light / lighting / alarm sound switch

⑳ Solar panel ㉑ Stereo earphone jack

㉒ Micro USB port (link with computer/charge)

㉓ Micro SD/TF card slot

㉔ External charging switch: Only external 5V charging in "ON", other status in "OFF"

㉕ Telescopic antenna ㉖ Crank power

㉗ Battery compartment

DEFINITION OF KEY OPERATIONS

DEFINITION OF KEY OPERATIONS

There are 3 operational ways of pressing the keys: short press, long press and hold on.

Unless expressly stated, all the operations are short press.



Short press: press the key once, and the function starts to work.



Long press: press and hold for more than 2 seconds and the function starts to work, and works only one time.

Hold on: press the key and hold on until stop, the function works several times in a certain frequency, such as fast forward/backward.

LOCK/UNLOCK KEYS

CY-1 is equipped with a key lock and unlock function, which you can manually turn on and off. When the radio is on, this will prevent you from accidentally pressing the buttons and changing the station

LOCK: Long press <  >, all the keys except this key will be locked with the " " symbol shown on the display.

UNLOCK: After keys locked, long press <  > to unlock keys, and the " " symbol disappears.

BATTERY POWER SUPPLY

CRANK POWER


When the battery is out of power, turn the crank for 360 degrees to charge the lithium battery.

NOTE: Set the power selector to OFF when crank charging the battery. This mode will charge the battery most efficiently.

SOLAR POWER

Solar panel is designed to run the radio under sunlight; it can also charge the battery pack at a very slow rate. So theoretically it will charge the battery, but it is better to crank it to charge the battery when no other option is available.

POWER ON/OFF

Press the <  > button for 1 second to turn on/off the radio.

Auto turn off: The radio will turn off automatically in 3 minutes without any operation in Main Menu mode.

MAIN MENU

MAIN MENU

In any mode, press <ESC> can go back to Main Menu.



Main Menu

In Main Menu, press <+ / >>> or <- / <<< to select either of the below functions and press <MENU> to enter.

Radio: FM/MW/SW Radio

Music: MP3 music play mode

Text browser (Ebook): Text reading mode

System Settings

Calendar

NOTE:

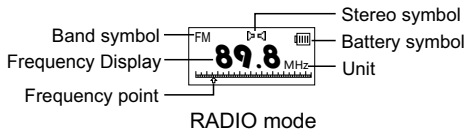
Press <ESC> in Main Menu to display the time. When the time is displayed, press <MENU> to go to Main Menu.

HOW TO PLAY THE RADIO?

In Main Menu, select Radio and press <MENU> to listen to FM, the frequency shows on the display.

Repeatedly pressing <MODE/MP3> to enter either Radio or Bluetooth.

RADIO



NOTE:

Due to current interference, it is not recommended to use FM radio when the radio is connected to an external adapter or a computer.

CHOOSE BANDS

In Radio Mode, press <FM/▶|>, <MW/A=B> or <SW/◁> to select your desired band.

The display will show the band symbol that you are listening to.

When listening to SW, press <SW/◁> to change <m> bands.

SELECT FM FREQUENCY RANGE

When listening to FM, press <MENU> to enter the below sub-menu:

- **Save:** Store the station into memory manually
- **Delete:** Delete single memory
- **Delete all:** Delete all stored memories
- **Auto Search:** Auto tuning storage
- **Ordinary band:** 87-108MHz
- **Campus radio:** 64-108MHz
- **Japanese FM:** 76-90MHz
- **ESC**

FM STEREO/MONO SELECTION

FM STEREO/MONO SELECTION

When listening to FM, press <FM/▶|> to select stereo/mono listening. If [◀◁] shows in the display, stereo listening is selected, press <FM/▶|> again to change to mono listening and the mono symbol [▶▶] will show. You can not activate stereo listening when the radio signal you are receiving is mono.

Suggestions:

1. Stereo listening is for strong signal broadcasts and music programs.
2. For weak signal broadcasts or voice programs, please choose mono. (Because stereo decoding may produce noises.)

9k/10k AM TUNING STEPS

When listening to MW, press <MENU> to enter the below sub-menu:

(Use the **8** key to step through these functions)

- **Save:** Store the station into memory manually
- **Delete:** Delete single memory
- **Delete all:** Delete all stored memories
- **Auto Search:** Auto tuning storage
- **Stepping switch:** When "522" appears in the display, it indicates 9k step is selected; When it shows "520", it indicates 10k steps is selected. Repeatedly pressing <MENU> to change between 9k and 10k

VOLUME / MUTE

VOLUME / MUTE

To increase volume, press <VOL+>; To decrease volume, press <VOL-> the volume adjustment will be shown in the display.

Press **M** to mute, press again to restore the sound.

TUNING IN STATIONS

When attempting to tune in stations, stay away from electrical equipment and AC power disturbances. Optimal use of the antenna improves the signal reception.

Suggestions:

When tuning indoors, stay near the windows for a better reception. Battery charges can interfere with the radio reception, please use the internal lithium battery to power the radio while tuning. It is not recommended to use the radio when charging the battery.

Using telescopic antenna:

It only works when listening to FM and SW. When listening to FM or SW, change the length of the telescopic antenna according to the signal intensity to get better reception.

Using built-in antenna:

The built-in internal ferrite rod antenna works for the MW band only. Rotate change the radio position to get the best reception. As the radio location affects the MW reception, the good direction of the radio can get you a much better reception on MW.

TUNE IN STATIONS

Five tuning methods: Manual tuning, Auto tuning, Direct frequency entry, Auto search (ATS) and memory recall.

Manual tuning:

1. Turn on the radio and select [Radio] in Main Menu.
2. Adjust the volume to an appropriate level and choose your desired band.
3. Press <+ / ►►> or <- / ◄◄> to tune into a station, frequency will change a step with each pressing, stop pressing when you get a satisfactory station.

Auto tuning:

1. Turn on the radio and select [Radio] in Main Menu.
2. Adjust the volume to an appropriate level and choose your desired band.
3. Press and hold <+ / ►►> or <- / ◄◄> for about 2 seconds, then release to auto tune into the next available station. If the auto-tuned station frequency is inaccurate, please use manual tuning to find the accurate frequency point.

Auto search (ATS):

1. Turn on the radio and select [Radio] in Main Menu.
2. Adjust the volume to an appropriate level and choose your desired band.

TUNE IN STATIONS

- Press <MENU> to open the sub-menu and using the **8** press <MENU> again to start auto tuning and store all the available stations into memory.

Memory location



Memory Locations:

FM: M001 - M440

MW: M001 - M132

SW: M001 - M928

Direct frequency entry

- Turn on the radio and select [Radio] in Main Menu.
- Adjust the volume to an appropriate level and choose your desired band.
- Firstly press **[F]**, and then input the frequency numbers that corresponds to a station's frequency by using the key board, and lastly press **[F]** to enter the station you need.

Memory recall

- Turn on the radio and select [Radio] in Main Menu.
- Press <M+/EQ> or <M-/●> to select a station that stored within the memory.

STORING STATIONS MANUALLY

Select your desired station, press <MENU> to open the sub-menu and select [Save], press <MENU> again to confirm. The stored station's memory location will be stored into the memory by the order of the frequency from low to high.

RADIO RECORDING

NOTES:

After storing stations into memory, you can use Memory Recall to find the stored station quickly. All the stations that stored manually will be replaced when using Auto Search (ATS).

DELETE SINGLE/ALL MEMORIES

Press <MENU> in radio mode, and select either <Delete> or <Delete all>, then press <MENU> again to delete single memory or all memories.

RADIO RECORDING

While listening to radio broadcast, you can record the programs by the following steps:
(TF card must be inserted correctly when using this function, the recorded file will be saved in the inserted TF card.

- Tune into the station that you want to record, long press <M-/●> to start recording, the file will be in .MP3 format.
- Press < FM/▶|> to pause.
- Press <ESC> to end recording, the file will be saved TF card automatically.

NOTE:

- While recording, some keys will be disabled.

CONSULT PAGE 12 FOR THE CORRECT INSERT POSITION OF THE MICRO SD CARD

RADIO RECORDING

MIC RECORDING

In any mode except for radio mode, you can activate the MIC recording function by long pressing <M-/●>. While recording, please get the audio source close to the built-in MIC. Before recording, please make sure TF card is inserted correctly, the recorded file will be saved in the card. MP3 format.

Do not pull out or insert TF card when recording is in the progress to avoid damage.

LISTENING TO RECORDING FILES

Select [Music] in Main Menu, all the recording files can be found at the bottom of the list. You can also input the serial number of the particular file directly and press [MENU] to play it.

MANAGE THE RECORDING FILES

In order to find out what you recorded, please follow the steps below to play it back.

Go to Music mode, press <FM ▶/II> to pause the music, press <MENU> button, you will see 3 selections:

Press < +/▶> button, select [**Browse Files**] by turning the main knob, press <MENU> button to enter music list.

Press < -/◀> or < +/▶> button, you will see [**JLREC**] folder name here, select [**JLREC**] and press <MENU> to enter recorded list.

Press < -/◀> or < +/▶> button, select the one you recorded and play it by pressing <MENU> button.

PLAYING MUSIC

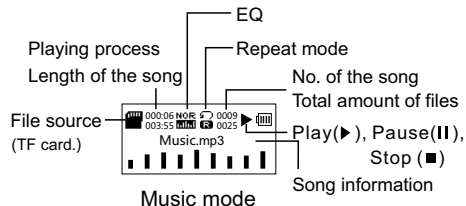
CALENDAR

Select [Calendar] in Main Menu, press [MENU] to display the date, time and day of the week. You can use <Tuning knob> or <+/▶>, <-/◀> to adjust the year, month and day to see the corresponding day of the week. When adjusting the date, press <MENU> to move the cursor.

PLAYING MUSIC

In radio off mode, insert TF card with MP3/WMA/WAV format music files to the slot on the radio. Then turn on the radio and select [Music] in Main menu, the LCD shows the information of the song.

In Radio mode, press <Radio/MP3> to directly switch to Music mode.



PLAYING MUSIC

BLUETOOTH

Two Modes are available:

1. Play music files from your mobile phone.
2. Answer and terminate incoming calls from your phone.

NOTES

Please insert or pull out the TF card when radio is off. Do not operate them when the music are playing. If Music mode can not be entered, please check if the card was inserted correctly.

PLAY AND PAUSE

When the music is playing, press <FM/▶||> to pause, the pause symbol “||” will show on the display. Press <FM/▶||> again to resume playing and the play symbol “▶” appears.


SELECT MUSIC FILES

1. Press < +/⏮ > or < -/⏭ > to select music files, press and hold them to fast rewind or fast forward.
2. When the music is playing, press <MENU> to open the sub- menu and select [File browser], press <MENU> to enter the folder and find the particular file by pressing < +/ ⏮ > or < -/ ⏭ >

PLAYING MUSIC





3. Directly input the No. of the music file and press <FM/▶||> to confirm and the radio will play the selected file.

A-B REPEAT

When the music is playing, press <MW/A=B> once to set the start point A, [] shows on the display and “B” starts flashing. When the playing process reaches your desired location, press <MW/A=B> again to set the ending point B. Now the radio will repeat playing from A to B. While repeating, press <MW/A=B> to cancel the repeating and go on playing the file as normal.







REPEAT MODE SELECTION

When the music is playing, press <SW/⏮> to select repeat mode from the below:

- | | |
|--|---|
|  - Repeat all |  - Repeat folder |
|  - Repeat one |  - Random |

EQUALIZER SELECTION

When the music is playing, press <M+/EQ> to select equalizer from the below:

- | | | |
|--|---|--|
|  - Normal |  - Pop |  - Rock |
|  - Jazz |  - Classic |  - Bass |

PLAYING MUSIC

LYRICS DISPLAY

Support both Chinese and English display.

The lyrics must be in .lrc format, use the same name as the song and location in the same folder.

Due to many Chinese versions on the market, you may have some character unreadable.

DELETE MUSIC FILES

With music paused, press <MENU> to enter the following settings:

- File browser: Select music file
- Delete file: Delete a single music file
- Delete all: Delete all music files

To operate the above settings, press <MENU> to enter or confirm, press < +/▶ > or < -/◀ > for selection.

TEXT BROWSER

Insert the TF card that with .txt format text file, then you can read the file with the radio.

Select [Text browser] in Main menu, press <MENU> to enter and select your desired file.

Then press <MENU> to start reading, press < +/▶ > or < -/◀ > to turn pages.

When reading, press <MENU> to enter below settings:

- File selection: select a particular file
- Play set: Manual or Auto play selection
- Playback speed

SYSTEM SETTINGS

- Enter main: Enter Main menu
- ESC

SYSTEM SETTINGS

By pressing <MENU> and then the **B** key to select one of the following:

- System time
- Language
- Contrast
- Restore factory settings
- Backlight
- Tools
- Firmware version
- ESC

DATE AND TIME SET

Select [System time] in System Settings, press <MENU> to enter date and time. Press <MENU> to move the cursor and press < +/▶ > or < -/◀ > to adjust. Press <ESC > to save and exit when setting finishes.

NOTE: Operating time for each step is about 5 seconds.

2013-09-08
00:23:45

↓

Year: Month: Day
Hour: Minute: Second

Press <ESC > in Main menu can play the time on the display.

BACKLIGHT TIMER

BACKLIGHT TIMER

Select [Backlight] in System Settings, press <MENU> to enter. Press < +/▶▶ > or < -/◀◀ > to adjust the backlight timer from 03-240(seconds), press <MENU> to confirm and exit.

LANGUAGE SELECTION

Select [Language] in System Settings, press <MENU> to enter language selection mode, press <+/▶▶ > or < -/◀◀ > to select your desired language.
1.Simple Chinese 2. Traditional Chinese 3. English

SLEEP TIMER

System Settings, select [Tools] - [Sleep timer], press <MENU> to enter. Press < +/▶▶ > or < -/◀◀ > to adjust the auto turn off timer from 00 - 90, select 00 to turn off the sleep timer. Press <MENU> to confirm exit.

The radio will turn off automatically when reaches the preset time.

After setting the sleep timer, [🕒] will show on the display when the time is displayed.

TURN ON/OFF KEY TONE

In System Settings, select [Tools] - [Touch-tune (off)]. Press <MENU> to turn on the key tone, and [Keypad tones (on)] shows on the display. While [Keypad tones (on)] displays, select it and press <MENU> to turn off the key tone.

ALARM SET

ALARM SET

In System Settings, select [Tools] - [Alarm]. Press <MENU> to enter the below settings:

- Alarm Off

Repeatedly pressing <MENU> to turn on or off the alarm. [Alarm Off] indicates the alarm is off, [Alarm ON] indicates the alarm is activated.

- Alarm Time

Press < +/▶▶ > or < -/◀◀ > to adjust the Hour and the Minute, press <MENU> to move the cursor, and press <ESC> to save and exit.

- Alarm Cycle

You can select from [Ring Once], [Ring Daily] or [Ring multi-day].

Ring Once: Press < +/▶▶ > or < -/◀◀ > to adjust the Year, Month and day, press <MENU> to move the cursor, and press <ESC> to save and exit.

Ring Daily: The alarm is effective everyday.

Ring multi-day: Select from Monday to Sunday, press <MENU> to select and a tick will show.

Press <ESC> to save and exit.

- Alarm Mode

Ring Embedded: Auto turn on the radio with a ringtone.

RADIO: Auto turn on the radio with the last radio station listened to.

Auto turn on the radio with the music file in the TF card that selected.

Exit

CONTRAST SET

- ESC

When the alarm is activated, [🔔] appears on the display, the radio will alarm with the selected mode when reaching the preset time. If the selected mode is [Ring Embedded], you can press any button to turn off the ringtone when the alarm goes off.

CONTRAST SET

Select [Contrast] in System Settings, press <MENU> to enter. Press < +/▶ > or < -/◀ > to adjust from 00-16, press <MENU> to confirm and exit.

FIRMWARE VERSION

Select [Firmware version] in System Settings, press <MENU> to display the firmware version information.

RESET

Select [Restore factory settings] in System Settings, press <MENU> and notice [Restore factory sett, NO] shows on the display. Press < +/▶ > or < -/◀ > to make [NO] or [YES] shows alternately. Select [YES] and press <MENU> to confirm reset.

How to insert the MICRO SD CARD.



CARE AND MAINTENANCE

CARE AND MAINTENANCE

1. Keep it dry. Rain, humidity and other types of liquids or moisture can contain minerals that may cause corrosion to components. If the radio does accidentally get wet, remove the battery and wait for the radio to dry completely before placing it back.
2. Do not use or store in dusty or dirty areas. This may damage the moving parts and electronic components.
3. Do not store the radio in overly hot areas. High temperatures can shorten the life span of certain components.
4. Do not place the radio in cold environment. Otherwise, when the surrounding temperature rises to room temperature, internal moisture may develop and damage the circuit board.
5. Do not drop, hit or smash the radio.
6. Do not use harsh chemicals, cleaning solvents, or strong detergent to wash the radio. Use a clean and dry soft cloth to clean the screen.

BATTERY SAFETY INFORMATION

BATTERY SAFETY INFORMATION

1. Use the battery under normal conditions, temperature: $(20 \pm 5)^{\circ}\text{C}$, relative humidity: $65 \pm 20\%$. Under normal circumstances, the battery can be charged and discharged about 300 times.
2. Do not expose the battery to heat or high pressure, do not drop the battery, and prevent children from playing with the battery.
3. Do not short-circuit the battery, do not open or amend, do not expose to damp environments.
4. If not using for an extended period of time, remove the battery and store in a safe manner. Please use a nonconductive material to wrap the battery in order to avoid direct contact with metal. You can avoid damage by keeping the battery in a cool dry place.
5. Dispose of the battery properly, do not put into fire or water.
6. Do not use the battery under strong sunlight to avoid overheating, deformation or smoldering, which will reduce the performance and life span of the battery.

TROUBLESHOOTING

TROUBLESHOOTING

1. Cannot turn on the radio.

- Possibly the battery is drained. Please charge the battery.

2. Cannot be connected to a computer.

- Please reconnect in radio off mode.
- The USB cable may be damaged, please try another one.

3. Speaker does not produce sound.

- Check if headphones are connected.
- Check the volume level; if too low, turn it up.

4. Cannot play audio from the TF card

- Check if the card or the USB drive has poor compatibility; by trying another card or USB drive.
- The file is damaged or with incorrect format, delete the file and try again.

5. Cannot charge the radio.

- Check if the external adapter or the USB cable is connected correctly.
- Check if the adapter or USB cable is damaged.

6. How to reset the radio?

- Misuse may lead to errors in the firmware.
- Remove the battery for a few minutes and reload.

SPECIFICATIONS

SPECIFICATIONS

Memory	Supports micro-SD card 64M-32G
Music format	MP3 WMA WAV
Access rate	MP3: 16-320Kbps WMA: 8-384Kbps
Frequency range	FM 87.0-108MHz 64.0-108MHz MW 522-1710KHz SW 3.0-23.0MHz
Earphone output	≤10mW*2
Communication standard	USB2.0(high speed)
Max. output (Speaker)	About 600mW
Max. current consumption	About 300mA
Power source	
Lithium battery	3.7V
External adapter	5V --- 500mA
Lithium battery consumption (Volume is 22 level)	MP3: About 5H Radio: About 5H
Charging time	4-6 hours
Speaker	D40mm
Earphone	D3.5mm
Unit size	Approx.126 x 43 x 62mm