Mosaic Alarm®

PA98CH User Manual

Due to the limited length of this manual, if you require an electronic version in another language, please feel free to contact us to request it.

Dear Customer,

Thank you for purchasing from MOSAIC ALARM. ***Please do take a few minutes to read this manual completely, so you can clearly understand how this alarm works, This is very very important!***

We understand how important it is to keep yourself and your loved ones safe. We genuinely hope you never need to use this device, but it's always there for peace of mind. ***Thank you for your time!***

1 TO ACTIVATE YOUR 5-YEARS FREE WARRANTY

Simply Email: ***mosaicsupport@mosaichk.net*** with your order ID.
Or register at www.mosaichk.net—no questions asked!
If you experience any issues, please contact us for prompt after-sales service.
We are happy to assist you and resolve any concerns in a timely manner.

Scan the QR code to register quickly

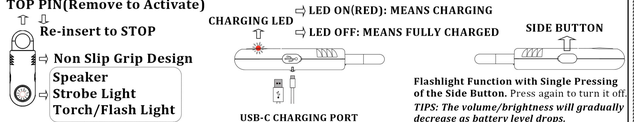
When used with keychains or other hanging accessories, please be careful to prevent the alarm from dropping during use.
If the alarm is damaged and becomes unusable due to multiple accidental drops, you can still contact us for a free warranty and replacement.

2 PLEASE FULLY CHARGE THE ALARM FIRST BEFORE USE

To ensure your device is functional at all times, we recommend that you test it regularly to make sure the sound is still loud enough. If you are concerned that the sound might be too loud and uncomfortable during testing, we suggest you refer to the image on the right: Hold the bottom of the alarm (where the speaker is) with your palm to lower the sound, then pull out the pin for a quick test.

TIPS: Charge the device timely when necessary.
(Red LED flash when battery is low) *Charger Not Included in This Package*

3 DIAGRAM MODEL PA98CH -Non-waterproof -



4 HOW THIS ALARM WORKS/SOUND

4.1 SINGLE-PLAYER MODE - IF YOU PURCHASED A SINGLE 1-PACK, OR MULTIPLE 1-PACKS

PUT OUT TOP PIN TO ACTIVE SIREN: It emits a very high-pitched 135db loud piercing sound until the batteries died. It also features a bright strobe light. TIPS: It might be a little tight to pull out the TOP PIN, as it is designed to prevent potential false alarms caused by a loose connection.
Re-inserting the TOP PIN will stop the siren.

4.2 LINKAGE MODE - IF YOU PURCHASED A SINGLE 2-PACK, OR MULTIPLE 2-PACKS

video demo

Paging Video Tutorial

The two alarms are pre-paired before shipping from the factory. Both can page each other when either encounters an emergency and needs help. Such as outdoor camping, hiking with family members, friends, or on campus. One can set off alarm to send a distress signal. The other person will quickly receive the alarm sound, allowing for a prompt response.

Effective Distance Max 330ft/100m-Testing base on open fields in the lab(*see section 4.4*)

Tips: If you find that your 2-pack alarms cannot page each other as shown in the video:
Step 1: Please check if the battery is fully charged, and try again after a full charge.
Step 2: If the problem persists, please follow the steps in section 4.5 to un-pair first, and then follow the steps in section 4.3 to attempt pairing again.

4.3 HOW TO PAIR MULTIPLE ALARMS

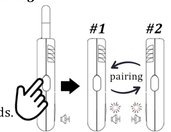
New pairing software is compatible with most alarms purchased after October 2025.

video demo

Linking Video Tutorial

If you purchased multiple 1-packs and you'd like to attempt pairing.

Follow below steps to pair and activate the linked mode:
STEP1: Press and hold the button on either unit.
STEP2: You'll hear a "DI" sound, then pull out the TOP PIN.
STEP3: A second "DI" sound and red LED flash will occur. Release the button, pairing mode is now activated.
STEP4: Repeat same process on another unit within 60s. After successful pairing, each unit will emit "DI, DI" sounds.
STEP5: Re-insert the TOP PIN to finish the pairing process.

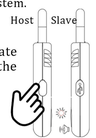


Now both alarms are linked and in linkage mode. If you have two alarms that are already paired and wish to add a third someday, you must first un-pair the original two alarms (Refer to Section 4.5). Then, re-pair all three alarms together. The same process applies to any additional alarms you wish to add to the system.

①How Soft Searching Mode Works?

Press and hold the button on either paired alarm (name "host unit") for 2-3 seconds. You'll hear one "DI" sound and see the red LED flash. Then release the button to activate the search mode. Meanwhile, the other paired alarm (name "slave unit") will receive the signal, causing its red LED to flash and emit a soft "DIDI" sound in response.

The host user can press the button once to cancel the calling.
The slave user can't cancel this call!



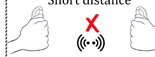
②How Strong SOS Paging Mode Works?

Pull out the TOP PIN from either unit to activate. The host unit emit a loud 135dB piercing sound, while the slave unit emit "DIDI" sound in response.
The host user can re-insert the TOP PIN to stop the siren.
The slave user cannot cancel this paging.

Tips①: With this feature, the host unit user can locate the person or item using the slave unit by following the sound and indicator light, which is useful for outdoor activities like camping or hiking. Alternatively, it can be understood that the slave unit user knows the host unit has sent a page signal.

Tips②: In LINKAGE mode, the standby time is about two months, while in SINGLE-PLAYER mode, the standby time extends to about two years. Therefore, if you don't need the linkage mode, You need to un-pair all alarms that are currently in linkage mode, one by one, according to the steps in Section 4.5, and switch them to single-player mode. Both modes can be switched as needed.

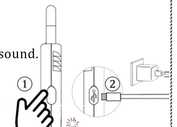
4.4 REGARDING EFFECTIVE PAGING DISTANCE



TIPS: The effective paging distance may be shorter than the laboratory data due to interference from surrounding electromagnetic signals or obstacles or battery low.

4.5 HOW TO CANCEL THE LINKAGE MODE

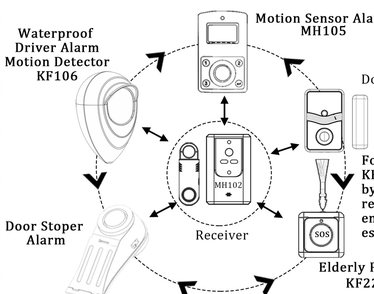
STEP 1: Press and hold the button on one of the units until you hear a "DI" sound.
STEP 2: Insert the USB-C cable while it is connected to a power adapter.
STEP 3: You will hear a single "DI" sound, and the red LED will flash. The linked mode will be cleared, and the unit will return to single-player mode.
STEP 4: Repeat the same process on the other unit.
Test both alarms again to confirm the linked mode is cleared.



5 SUPPORT MULTI-DEVICE LINKAGE MODE-FOR WIRELESS HOME ALARM SYTEM

We are dedicated to building a complete, localized wireless home alarm system that doesn't rely on the internet or an app, so you never have to worry about privacy leaks. When any one device on the network is triggered, all other connected devices will respond simultaneously. The PA98CH receiver is easily portable, and the freestanding MH102 receiver is a portable and rechargeable unit. This makes it convenient to place them wherever they're needed—in a study, bedroom, living room, kitchen, bathroom, basement, attic, garage, front yard, or backyard.

Mosaic Alarm® SOS Alert
www.mosaichk.net



For example, when linked to the MH105, KF106,KF104, once the alarm is triggered by an intruder, the PA98CH or MH102 will receive the signal synchronously and also emit a sound to alert you timely, especially if you're a heavy sleeper.

6 CLIPPING

Tips: When used with keychains or other hanging accessories, please be careful to prevent the alarm from dropping during use. If the product is damaged and becomes unusable due to multiple accidental drops, you can still contact us for a free warranty and replacement.

Most users prefer the single-end clipping method ⇨ OR

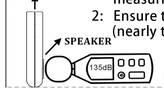
some special users may prefer both-end clipping.
clip each end to a different location.
This way, after you pull the pin to trigger the alarm, the alarm will remain with you.

VIDEO DEMO

So we provide a spare lanyard that, despite its thin appearance. Due to structural and design constraints, the hole at the bottom is relatively small. When threading the lanyard through this narrow hole, we recommend pressing the end of the lanyard tightly with your fingers a few times to make it more compact, then gently pushing it through the hole with a bit of force and patience. The video in the upper right corner is for reference. Alternatively, you can use your own lanyard. Thank you for your kind understanding.

7 135dB Device

This data is derived from tests conducted under laboratory conditions and environments.
1: Ensure you use standard, professional dB testing instruments capable of measuring from 0 to 140 dB.
2: Ensure the instrument is placed very close to the device's speaker. (nearly touching).



eg.. Measuring Distance ≈ 0 Data: 135dB
Measuring Distance > 0 Data <135dB

Battery level also negative affects the test value.

8 HEARING IMPAIRMENT WARNING

As A Personal Safety Alarm, this sharp, piercing sound might sound very uncomfortable for some sensitive individuals, but it is indeed very effective at achieving the purpose of deterring potential threats or grabbing attention. Prolonged exposure to this sound at close range may cause hearing damage, but there's no need to worry about short-term exposure when testing.

9 FRIENDLY REMINDER

Do not solely rely on any safety device for protection. Avoid dangerous, isolated and poorly-lighted areas. Take reasonable precautions to avoid putting yourself in a situation where self-defense will become necessary.

10 CAUTION

WARNING: CHOKING HAZARD-SMALL PART NOT FOR CHILDREN UNDER 3 YEARS
Due to the high-pitched sound emitted by this alarm, which may cause discomfort for some young children.It is not recommended for use by very young children.

11 ABOUT BATTERY

Battery may leak harmful liquids or ignitable materials or explode causing injury and the product damage. Unauthorized maintenance personnel should not attempt to open the case.
If you need Technical Support. Email MOSAIC SUPPORT: **mosaicsupport@mosaichk.net**

12 VIDEO TUTORIAL AND SUPPROT

YouTube Search Mosaic PA98CH
www.youtube.com/@mosaicalarm

FCC Statement:

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.

Changes or Modifications not expressly approved by the party responsible could void the user's authority to operate this device.

NOTE: 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 or more 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.

RF Exposure statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

IC Statement:

This Class B digital apparatus complies with the Canadian ICES-003.

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s).

Operation is subject to the following two conditions:

(1) This device may not cause interference.

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

RF exposure

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment.

Warning

For use in emergencies involving fire, safety, and life-threatening situations.

Déclaration IC:

Cet appareil numérique de classe B est conforme au ICES-003 canadien.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes:

(1) L'appareil ne doit pas produire de brouillage;

(2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

RF Exposition

L'appareil est conforme aux limites d'exposition aux rayonnements d'ISDE prescrites pour les environnements non contrôlés.

Avertissement

Pour utilisation en cas d'urgence impliquant des incendies, des situations de sécurité et des situations mettant en danger la vie