



## PitchCom SystemManual

Welcome to the ClockComSystem-the world's best and most secure baseball communication system for transmitting signals to an official indicating the expiration of a timer.

The ClockCom System consists of two components-a transmitter (also, the "PitchRemote") and a receiver (also, the "PitchClock"). At the end of a timed period, the transmitter receives a signal from the timer and wirelessly transmits a signal to the PitchClock receiver which produces a haptic signal to the wearer of the PitchClock receiver.

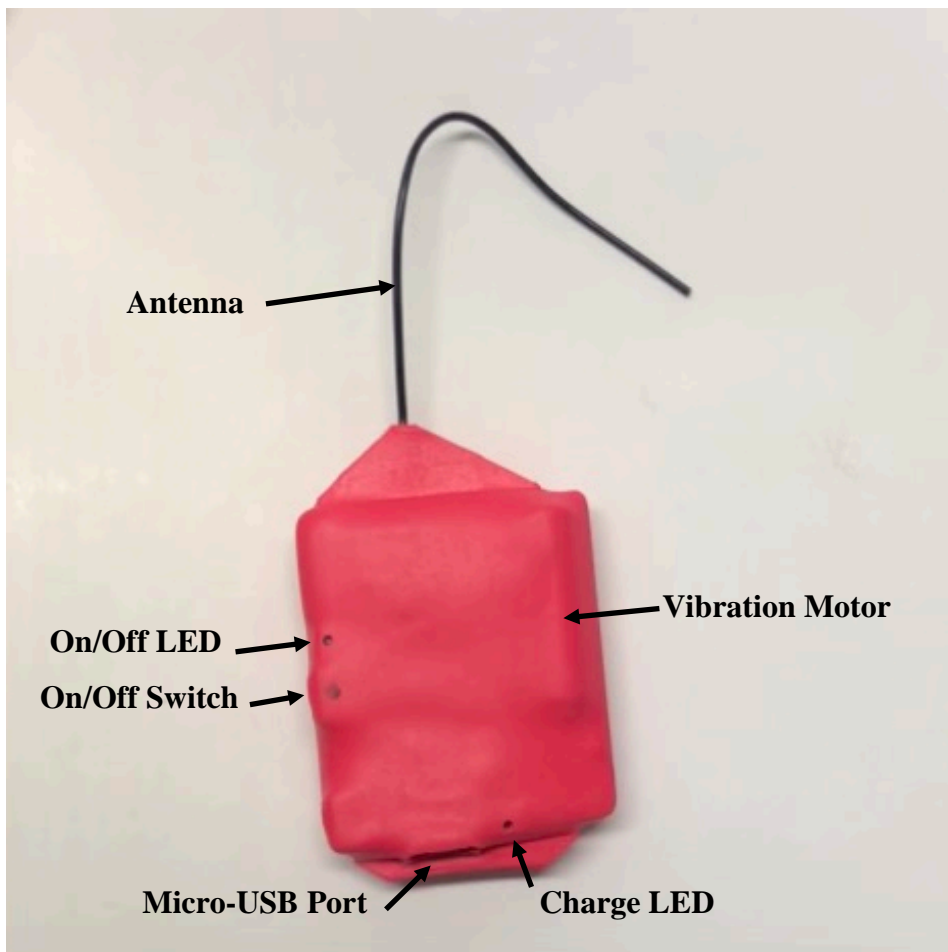
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## USING THE PITCHCOM SYSTEM- Basic Component Functions

### PitchClock Receiver

The receiver is shown in **Figure 1**. The receiver has a micro-USB port for charging and updating firmware. A charge LED glows red when the receiver is charging. The receiver is turned on by depressing an on/off switch, which is covered by shrink wrap. The receiver is turned off by depressing and holding the on/off switch.

**Figure 1**



In operation, after being turned on, upon receiving a signal through the antenna from the transmitter, the receiver activates the vibration motor for a given amount of time. The wearer of the receiver can perceive this activation as a haptic signal or buzz.

## Transmitter

The PitchRemote transmitter is shown by itself in **Figure 2**. The transmitter does not have an on/off switch and is always ready to transmit. There are 9 pitch/location buttons, a cancel button, and two catcher volume adjustment buttons. Also, the transmitter has a micro-USB port through which the transmitter is charged and can receive firmware upgrades, an antenna wire, and a status LED above the cancel button. A white LED is also provided.

*Figure 2*



The PitchRemote transmitter is connected to a clock timer. When the clock period reaches a certain time, such as zero seconds, the clock timer sends an expiration signal to the transmitter through a cable connecting the clock timer and the micro-USB port of the transmitter. When the expiration signal is received, the transmitter then wirelessly transmits a signal to the receiver that then activates the vibration motor, as described above.

## System Maintenance

The PitchCom System components are designed to be very low maintenance.

The receivers are charged through their micro-USB ports. Firmware upgrades and audio tracks are provided through the micro-USB ports. Each battery charge should last at least 6 hours of continuous receiver use. We recommend recharging the receivers after each game in which the units are used. Any micro-USB plug and standard wall transformer can be used to charge the receivers.

The PitchRemote transmitter is charged through the micro-USB port.



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## **PitchClock FCC Compliance 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.

CAUTION: The grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. Such modifications could void the user's authority to operate the equipment.

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.

This equipment has been tested and meets applicable limits for radio frequency (RF) exposure.



### **PitchClockCanadian Compliance Statement**

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

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.

NOTE: This equipment has been tested and meets the applicable limits for radio frequency (RF) exposure under RSS-102.

REMARQUE: Cet équipement a été testé et respecte les limites applicables pour l'exposition aux radiofréquences (RF) sous RSS-102.

JHCF LLC

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PRODUCT MODEL: PitchClock

FCC ID: 2A3O2-PITCHCLOCK

IC: 27925-PITCHCLOCK



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## PitchRemote

### FCC COMPLIANCE STATEMENT

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CAUTION: The grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. Such modifications could void the user's authority to operate the equipment.

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.

This equipment has been tested and meets applicable limits for radio frequency (RF) exposure.

JHCF LLC

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PRODUCT MODEL: PitchRemote 2.0

FCC ID: 2A3O2-PITCHREMOTE

IC: 27925-PITCHREMOTE

## Canadian Compliance Statement

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

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