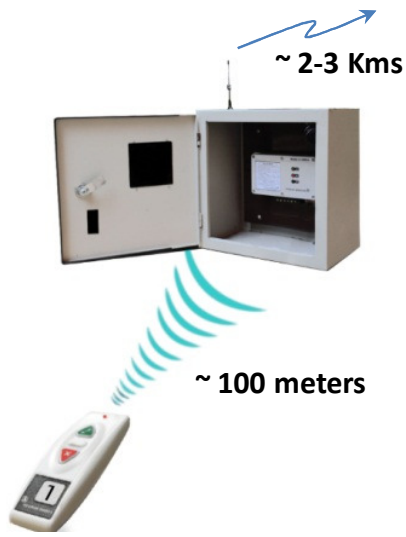


# FBX701B+FBX521 set: Remote triggered wireless transmitter

## Technical specification



**Model :701B**



**Model : 521**



### **Model: FBX701B+FBX521 set (remote triggered wireless transmitter)**

Remote triggered wireless long range transmitter

#### **Features:**

- Press TOP button of the remote controller (FBX to trigger the high power transmitter (in the metal box)
- No physical contact between remote and the long range transmitter
- The remote FBX521 range is ~100 meters outdoors
- Long range transmitter FBX701B range is 2-3Kms in open line of sight
- Remote battery operated, transmitter 12VDC power supply operated

#### **Installation / mounting:**

- Long range transmitter FBX701B metal box mounted on the top of the roof of a building. Minimum elevation 12-15 feet from the ground
- It can also be mounted on a pole staff at an elevated height
- Remotes can be carried in hand or fixed on the wall (with a wall mount jacket)
- Dedicated 12VDC power supply needed for the long range transmitter FBX701

#### **Applications:**

- In case the security guard is not available at the post, he can press the remote from a distant location to activate the siren that is over 2-3km away
- Patrolling party to alert the security post
- Remote to trigger the transmitter at a distance ~100m

#### **Indicators:**

- Remote controller has 1 red LED light (it glows on press of any button from the remote)
- Transmitter has 3 indicators
  1. Power supply GREEN indicator
  2. SYNC signals BLUE indicator (to indicate signal transmission)
  3. Remote status RED indicator (active with top button of remote and inactive with bottom button of the remote)

Once the remote is pressed, the long range transmitter keeps sending the RF signals for the next 15-20 seconds. During is time the machine may not react to the remotes

#### **Signal transmissions:**

- Make sure to press the remote button for at least 2-3 seconds for reliable transmission. This increases the range of communication and allows the signal to reach the long range transmitter
- Following to which the long range transmitter FBX701B forwards the distress signals 2-3Km away, to the siren receivers

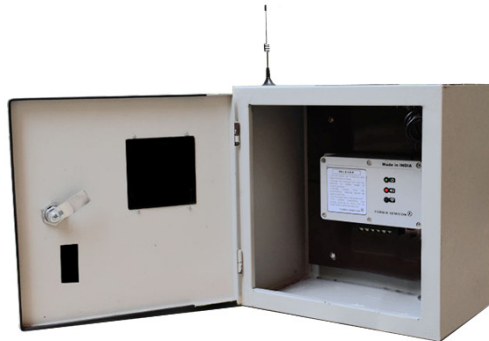
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# FBXTX701B : Wireless long range transmitter

## Technical specification



- Mounted on the top or door / wall
- Easy mounting with 4 screws to secure it tightly
- IP65 enclosure unit, robust and weatherproof
- For indoor purpose use only
- Keep away from metallic enclosures

### Dimension

Transmitter enclosure type: IP 65 (color grey)  
Size: 250 x 90 x 45 mm  
Weight: 350gms  
Outside body: metal enclosure  
Metallic enclosure unit: :300 x 300 x 170  
Metallic enclosure weight: 3500 gms

### Operating voltage:

110-220VAC/50-60Hz to 12VDC converter adapter supplied.

Unit can also be plugged to any 12V external battery. Active working hours depends on the battery power.

Model: FBXTX701B

### Long range 1-channel signal transmitter

#### Features:

- Single channel long range transmitter (2-3Kms range)
- Triggered by wireless remote panic button
- Remote TOP button: Transmitter sends ON signal
- Remote BOTTOM button: Transmitter sends OFF signal
- Remote CENTER button: Transmitter sends ON signal
- ON or OFF signals transmits for 10-20 seconds, (depending on the application). SYNC indicator blinks for every transmission packet

#### Technical details:

- Transmitter with external PA +28dbm
- Operating frequency: 380 – 480 MHz
- System operates works on signal hop mechanism. Signal transmission happens at more than 12-15 predefined frequencies
- Modulation type: GFSK
- Radio IC: CC1100 (Chipcon/TI) and other equivalents in sub-GHz freq.
- Modulation: GFSK
- Data packet error correction mechanism: FEC

#### Wiring

Power supply DC jack 12VDC  
110-220VAC/50-60Hz to 12VDC adapter converter

#### Signal transmissions:

Any change in the remote button press will initiate long range signal transmission

***Till the time signal transmission is over, new commands from the remote will NOT be accepted***

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# FBX521: Wireless RF remote controller

## Technical specification



### Precautions and mounting locations:

- Mounted on the top of door / wall / bed
- Easy mounting of remote jacket with 2 screws
- For indoor purpose use only
- Keep away from metallic enclosures
- Do not connect the battery in opposite direction

### Wall mount calling unit:

Enclosure type: plastic (color white)  
Remote controller size: 120 x 40 x 20 mm  
Remote controller weight: 45 gms

**Model: FBX521**

### Handheld wireless RF remote controller

#### Features:

- 3 buttons (CALL / CANCEL / OPTIONAL)
- RED light indicator, glows when any button is pressed
- Top button (ON) => send ON/CALL signal to the receiver
- Bottom button (OFF) => send OFF/CANCEL signal
- Center button (optional), as per application requirement

#### Technical details:

- Transmitter PA +10dbm
- Operating frequency: 380 – 480 MHz
- System operates works on signal hop mechanism. Signal transmission happens at more than 12-15 predefined frequencies
- Modulation type: GFSK
- Radio IC: CC1100 (Chipcon/TI) and other equivalents in sub-GHz freq.
- Modulation: GFSK
- Data packet error correction mechanism: FEC

#### Operating voltage:

12 Volt DC battery (at the bottom)  
Battery model: 23A  
Battery life: 2-3 years  
Battery type: Alkaline (dry)  
Battery replaceable: Yes  
Battery rechargeable: No

#### Signal transmissions:

Make sure to press a button for at least 2-3 seconds for reliable transmission. This increases the range of communication

#### Application and features:

- Nurse call system for hospitals: remote with patients
- Steam bath sauna rooms / spas / restaurants etc.
- OPD token system for dispensaries: remote with doctors
- Office peon calling system: remote with clerk / manager
- Guest house attendant call unit: remote with customers in room

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