

# VibeAlert System

## User Guide

Version 2.9 • February 2026

### Smoke alarm alert system for deaf and hard-of-hearing users

Vibration • LED Lighting • Buzzer • Emergency Light Mode

## What is VibeAlert?

VibeAlert is a smoke alarm alert system made up of two parts:

**Transmitter** — Detects when a smoke alarm is triggered and sends the alert signal wirelessly

**Receiver** — Once a signal is received it vibrates the bed shaker, triggers a buzzer and flashes bright white lights to alert you

## First Time Setup

**Install the transmitter to the smoke alarm** (although this is a fairly simple install it is recommended to have it installed by a professional if you are not familiar with home wiring)

**Plug in bed shaker** and place in mattress or other location where you want to be notified

**Plug in the receiver** (main unit) using a USB power supply and cable that is rated at 2A (2000ma) minimum.

- Status light shows white for 1 second (starting up)
- Status light flashes red while looking for transmitter
- Status light turns green when connected — you're ready!**

Connection happens automatically within a few seconds. No pairing or setup needed.

## The Status Light

The small colored LED on your receiver tells you exactly what's happening:

Color	What It Means
 Green (dim) with bright flash	Everything is working — ready to receive alerts
 Blue (flash)	Just received a signal from smoke alarm

● Yellow	Vibration alert is active
● Red (flashing)	<b>Problem! Not connected to transmitter</b>
● Red (solid)	<b>USB power lost — running on battery only</b>
○ White	Starting up

**Most of the time you should see dim green with a bright flash every 15 seconds — that means everything is good!**

**Red flashing** = transmitter not found. **Red solid** = USB power is disconnected.

## When a Smoke Alarm Happens

Here's exactly what happens when the smoke alarm is triggered:

**Transmitter detects** smoke alarm and sends wireless signal

**Status light flashes blue** — receiver got the signal!

**Status light turns yellow**

**Vibration motor pulses 5 times:** 2 seconds on, 1 second off (15 seconds total) this will continue until there is no longer a smoke alarm warning

**White LEDs flash 5 times:** 3 seconds on, 1 second off (20 seconds total) this will continue until there is no longer a smoke alarm warning

**Status light returns to green with flash** — ready for next alert

The alert runs automatically — just let it finish! Press the white button to stop early if needed.

## White LED Manual Control (Touch Sensor)

You can manually control the white LED brightness at any time using the touch sensor.

### Turning LEDs ON (when they are OFF)

**Touch and hold the sensor for 2 full seconds**

LEDs turn on at 5% (dim) brightness

Count “one-thousand-one, one-thousand-two” to get the timing right

### Changing Brightness (when LEDs are ON)

**Touch and hold for ½ second** to step to next brightness

Brightness cycles: 5% → 40% → 100% → OFF

After OFF, you need the 2-second hold again to turn back on

**Tip:** Touch sensor does not respond during an active alert cycle. Wait for the alert to finish first.

## USB Power & Emergency Light

---

Your receiver automatically monitors USB power. If USB power is lost, the system immediately:

**Turns the status LED solid red** — to signal USB power loss

**Turns the white LEDs on at 5% brightness** — automatic emergency light mode

Continues running on battery backup

Touch sensor remains available to adjust brightness

 **Solid red status light = USB power disconnected.**

When USB is reconnected, the status LED returns to green and the emergency white LEDs turn off automatically.

**Note:** Flashing red = transmitter not found. Solid red = USB power lost. These are two different problems with two different red patterns.

## The Reset Button (White Button)

---

The white button on the receiver has two functions based on how long you hold it:

### Quick Press (less than 3 seconds)

**Stops the vibration and white LED alert** if currently running

Status light turns purple while you hold the button

Use this if you want to cancel an alert early

### Medium Hold (3–4 seconds)

**Restarts the whole system**

Status light blinks red rapidly — keep holding

System restarts fully after 3–4 seconds

Use this if something seems stuck or wrong

## Power Requirements

---

 **IMPORTANT: Use a 2A (2000mA) minimum USB power adapter**

**Strong vibration** requires at least 2A (2000mA) of power

**Weak vibration?** Your USB adapter is probably only 1A — replace with 2A

Look at the small print on your USB wall adapter — it should say “2A”, “2000mA” or higher

Common phone chargers are often only 1A — **these will not work properly**

## Troubleshooting

---

### Status Light is Flashing Red

**What it means:** Receiver can't find the transmitter

Check that the transmitter is plugged in and powered on

Make sure both units are close enough (within 200 meters / 650 feet)

Try unplugging both units, wait 5 seconds, plug them back in

If still flashing red, hold reset button 3+ seconds to restart receiver

### Status Light is Solid Red

**What it means:** USB power has been lost — running on battery only

Check that your USB cable is firmly plugged into both the receiver and the wall adapter

Check the wall adapter is plugged in and the outlet has power

Try a different USB cable

Replace with a 2A (2000mA) USB adapter if using a weaker one

When USB is restored, solid red will go away automatically

### White LEDs Turn On By Themselves

**What it means:** USB power was disconnected — emergency light activated

This is a **feature, not a fault**. The receiver detected power loss and automatically turned on the emergency light.

Check and fix your USB power connection

When USB power is restored, the emergency light turns off automatically

You can adjust brightness with the touch sensor while in emergency mode

### Vibration Doesn't Work or Is Weak

**Check USB power adapter — must be 2A (2000mA) or higher**

Check status light is green with flash (not red)

Make sure the transmitter is attached to the trigger wire of a "interconnected" smoke alarm (Interconnected smoke alarms have been required in new home construction since 1989 but were installed on many homes prior to that).

Try a different, thicker USB cable

Try restarting receiver (hold reset button 3+ seconds)

**Most common cause:** USB adapter is only 1A instead of required 2A

### White LEDs Won't Turn On (Manual Control)

Touch and **hold for 2 full seconds** (count one-thousand-one, one-thousand-two)

If during an alert, wait for it to finish first

Try cycling through all brightness levels: touch and hold ½ second until you reach OFF, then start again with 2-second hold

### Touch Sensor Not Responding

Hold long enough: **2 seconds** when turning on from OFF, ½ **second** when changing brightness

Don't tap — you must touch and hold. If an alert is running, wait for it to finish

### **Nothing Happens / All LEDs Off**

Check USB cable is firmly connected

Check wall adapter is plugged in and powered

Try a different USB cable or power adapter

Hold reset button for 3–4 seconds to restart

## Quick Reference Card

Quick Reference Card	
<b>Status Light Colors</b>	
● <b>Green (dim) + flash</b>	Everything working
● <b>Blue flash</b>	Smoke alarm signal received
● <b>Yellow</b>	Vibrating / alert active
● <b>Red flashing</b>	Not connected to transmitter
● <b>Red solid</b>	USB power lost — on battery
○ <b>White</b>	Starting up
<b>Touch Sensor</b>	
<b>LEDs are OFF:</b>	Hold 2 seconds to turn on
<b>LEDs are ON:</b>	Hold ½ second to change brightness
<b>Brightness levels:</b>	5% → 40% → 100% → OFF
<b>Reset Button (White)</b>	
<b>Quick press (&lt;3s)</b>	Stop vibration / alert
<b>Hold 3–4 seconds</b>	Restart system
<b>Power</b>	
<b>Minimum adapter:</b>	2A (2000mA) USB
<b>Weak vibration?</b>	Check adapter — must be 2A not 1A

## Care and Maintenance

Keep units clean and dry

Do not get units wet

Make sure USB cables are secure

If something seems wrong: unplug receiver, wait 10 seconds, plug back in

## Safety

### **Use 2A (2000mA) or higher USB power adapters only**

Use quality USB cables — not thin or cheap cables

Do not use if cables are damaged

Keep away from water

Do not cover the receiver — it needs air flow

Unplug during electrical storms

