

# Systems Troubleshooting: 5000 Series UHF Microphones cutting out

## 1. BATTERY ISSUES (MOST COMMON)

- Symptom: Good for a few minutes, then audio drops/cuts intermittently.
- Fix:
  - Try fresh, brand-name batteries (avoid rechargeables or off-brand, just for testing).
  - Even “new” batteries can be low if stored long or if rechargeables are old.
  - Clean battery contacts in the mic.

## 2. RF INTERFERENCE

- Symptom: Cuts out or loses connection in specific locations or times.
- Fix:
  - Check if there are new electronics, wireless routers, LED walls, or devices added recently.
  - Try changing the frequency/channel on both transmitter and receiver (within legal bands).
  - Move the receiver and mic away from large metal objects or sources of interference.

### 3. MIC OR ANTENNA DAMAGE

- Symptom: Mic was dropped, handled roughly, or the antenna is loose/broken.
- Fix:
  - Inspect for visible damage or loose antenna on both mic and receiver.
  - Gently wiggle the mic's battery compartment and antenna—see if cutout happens.

### 4. RECEIVER ISSUES OR FAULTY CABLE

- Symptom: Receiver display drops out, or the audio cable from receiver to mixer/amp is bad.
- Fix:
  - Check if receiver shows "RF" and "AF" (audio) signal when talking into mic.
  - Try a different output cable or mixer input.

#### QUICK STEPS TO DIAGNOSE:

1. Swap in new, name-brand batteries.
2. Try a different frequency/channel (if available).
3. Test another mic on same receiver or same mic on another receiver (if possible).
4. Watch the RF and AF indicators on the receiver—do they drop when audio drops?
5. Check for any nearby new wireless equipment that might interfere.

*If none of this helps, it could be a failing transmitter circuit or a receiver fault (less common, but possible with age or rough handling)*