

# Technology for Better Hearing In Noise

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## Still having trouble hearing in noise or in group situations?

Directional-microphone hearing aids have made significant improvements in recent years and can be of great benefit to patients. However, even with the best noise suppressing systems in the world, it can still be difficult to understand everything that you want or need to hear in complex environments.

## What else can be done to hear in noise or at a distance?

There are two types of technologies that can improve communication in difficult listening situations. The first is **Remote Microphone systems**, which use Bluetooth technology. The second and more versatile option is to use an **FM system**, which transmit information over frequency modulated radio waves. Both types of systems are compatible with most hearing aids and have a range of about 30 feet. The benefits of each type of device are listed below.

### Remote Microphone



- Designed to improve communication with a **single person** in noise
- Cost effective (\$200-\$500)

### FM Systems (Roger Pen)



- The transmitter can be hand-held and pointed at the person of interest in

to “zoom in” during a group conversation. Because the system looks like an ink pen, this can be done discretely.

- The transmitter can be used with a single person and function like a remote microphone.
- It can be placed in the middle of a table to improve understanding ay work or social meetings.
- Cost is \$900 - \$1,400

**Please let you audiologist know if you would like more information on these effective options to improve communication in noise.**

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