

INSTALLATION/OPERATION MANUAL

THE FLIGHTCOM SYSTEM

Welcome to the world of portable, digital cockpit recording. The AiRepeater II will enhance your flying enjoyment and safety by putting you more at ease with cockpit communications. The AiRepeater is your flight assistant, recording everything you hear through your headset, so you won't have to ask ATC to, "Say again," or wonder if you have correctly heard the instructions.

The AiRepeater is the latest in digital recording technology. It's an electronic "tape recorder" capable of instantly replaying radio traffic. It's lightweight and not much larger than the 9 volt battery that powers it.

HOW THE AiRepeater WORKS

The AiRepeater automatically records all audio coming into your headset. You don't need to push any buttons or flip any switches to record. Just make sure you have a fresh battery and make sure the power is turned to its ON position.

Every time you activate the AiRepeater by pressing the blue button, it plays back previous radio traffic.

It's that simple! There is no tape to replace, and no avionics work necessary to install this device.

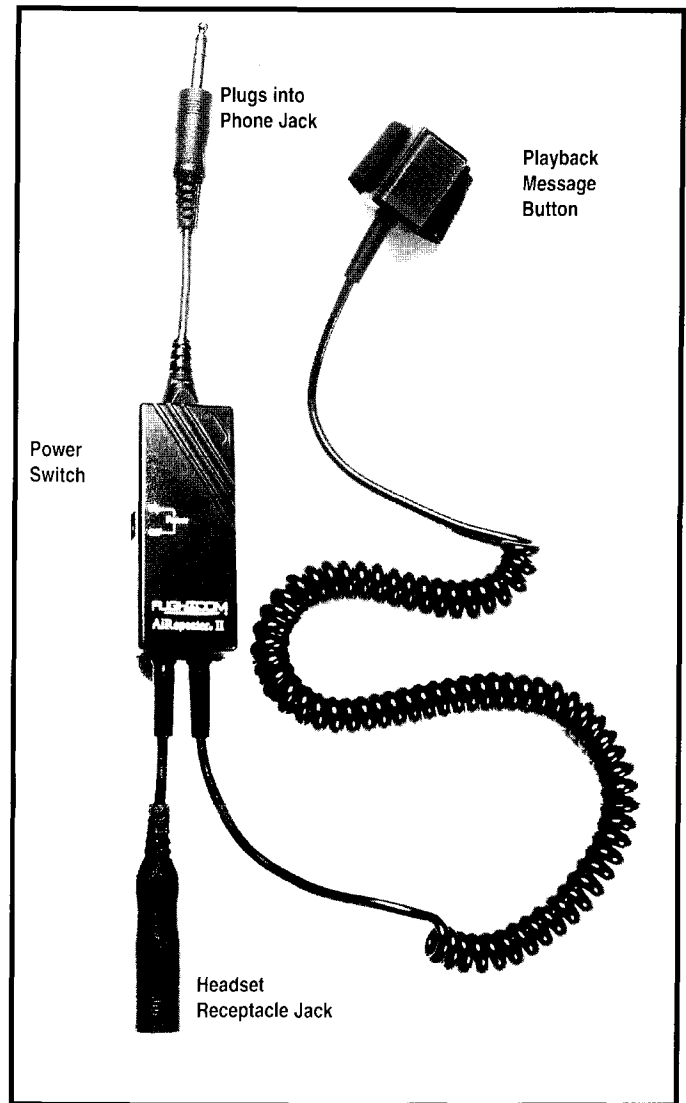
POWER SWITCH (see left side of case on photo)

Your AiRepeater was shipped without its 9 volt battery. Make sure the power switch is OFF before installing the battery. (See the **Battery Replacement** section of this manual.) To turn it ON, slide the switch to the "ON" position.

The AiRepeater draws very little current from its 9 volt battery. An alkaline cell can generally power the AiRepeater for up to six months or 50 continual flight hours. If you won't be using the unit for a while, you may wish to save the battery by switching power OFF.

INSTALLATION

1. Plug your headset phone plug (the big plug) into the AiRepeater receptacle jack.
2. Plug the AiRepeater 1/4" plug into the jack where you normally place your phone plug.
3. Connect the headset mic where you normally plug in your headset mic plug.
4. Strap the switch pod around your aircraft yoke, making sure that the coiled cord does not turn the yoke.



Helpful Hint:

To avoid confusing the replay button with an existing PTT switch, we made the switch blue in color and we recommend attaching the AiRepeater switch to the right side of the yoke.

AUTOMATIC RECORDING

Recording starts whenever the AiRepeater detects audio coming into your headset. This means that "dead air" is ignored. About one minute of recording time generally represents 5-10 minutes of flight time, considering most transmissions last only a few seconds. The AiRepeater continuously records over the oldest message in an endless loop.

Playing Back Messages

To replay the most recent radio traffic, simply press and release the button once. Pressing and immediately releasing the button will cause the AiRepeater to instantly rewind 5-10 seconds and begin playback.

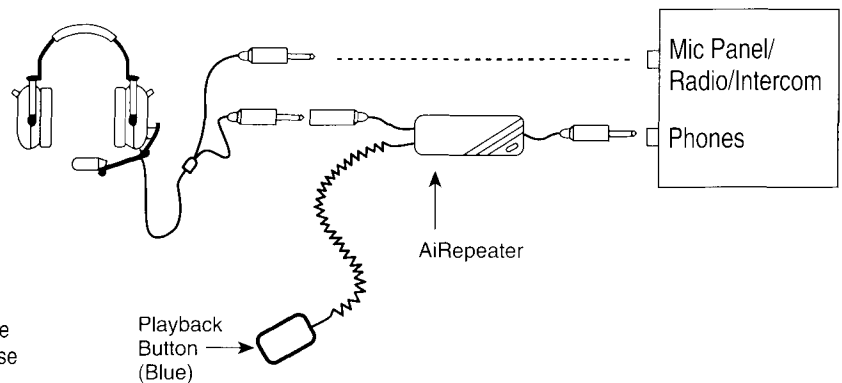
Repeated pressing of the button will continue to back up the messages in 5 second intervals until you have reached the oldest message.

Pressing and holding the button for over 1 second halts playback. The unit will restart recording once you release the button.

Replayed audio from the AiRepeater is virtually indistinguishable from a live transmission. To avoid confusion, the AiRepeater emits a high beep every 5 seconds during playback and a low beep after playback has finished.

Automatic recording resumes after playback has stopped.

Installation Diagram (Figure1)



ADJUSTING THE VOLUME

The playback volume has been set at the factory, so adjustment will not normally be required.

You can, however, set the AiRepeater to playback at whatever volume you desire. Slide open the access cover and use a small screwdriver to gently turn the volume trim pot up or down. (Clockwise increases the volume.)

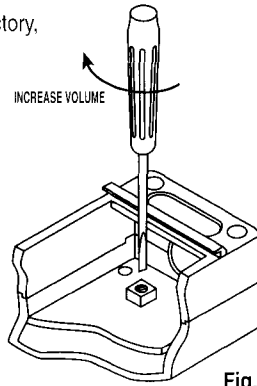


Fig. 2

BATTERY REPLACEMENT

A 9 volt alkaline battery will typically be good for 6 months of normal use. If your AiRepeater is not recording or otherwise behaving erratically, it's probably time to replace the battery. Use a high-quality alkaline cell - cheap batteries may leak inside the unit and ruin it.

You can also use 9 volt Lithium cells, such as the Ultralife series. These batteries have approximately twice the life of alkaline cells, and may provide power for over a year!

TO REPLACE THE BATTERY:

1. Slide the Power Switch to the OFF position.
2. Slide open the battery access door (on back).
3. Remove and replace the old battery. **NOTE: Be very careful of the battery polarity. Touching the tabs to the wrong poles may ruin the recorder.**
4. Replace the battery access cover.

If you don't feel comfortable doing this yourself, send it in to Flightcom at the address listed at the end of this manual. For \$15, we will install a new high-density lithium cell and perform a routine maintenance check on your AiRepeater.

COMMON QUESTIONS & ANSWERS

Q. What happens when my battery runs out?

A. Your headset audio should not be affected. The recorder, however, will not function.

Q. If I transmit while I'm replaying a message, will the message be broadcast over my radio?

A. No. Playback only occurs inside of your headset.

Q. I think ATC gave me some bad instructions. Can I save messages as evidence?

A. Yes, but you should disconnect the AiRepeater right away so its memory won't be overwritten by subsequent transmissions, but leave the unit ON.

Q. My AiRepeater is clicking, beeping, and not recording. What should I do?

A. It's probably time to replace your battery. We recommend using an Ultralife lithium cell. This should fix the problem.

Q. I replaced the battery, but my unit still doesn't record.

A. Have you made sure the volume is turned up? The unit may be recording, but plays back at zero volume. It's also possible that the unit has been damaged by static electricity.

Q. My AiRepeater seems to be recording all the time, even when there's no audio.

A. Aircraft equipment such as strobes, lights, beacons, etc. can cause noise in your headset. If it's loud enough, the AiRepeater will trigger and keep recording as long as the noise source exists.

Q. What is the total recording time?

A. The AiRepeater can store approximately 1 minute of audio information depending on the voice quality you select. Every time you turn your unit on you will be in high voice quality mode, which records approximately 40 seconds of audio. To select "standard" voice quality with approximately 60 seconds, hold down the blue playback button while turning ON the ON/OFF switch. **If you want the longer recording time, you must do this each time the unit is turned ON.**

FLIGHTCOM®

Flightcom Corporation

7340 SW Durham Road • Portland, Oregon 97224

Phone: (503) 684-8229 • Fax: (503) 620-2943

1-800-432-4342

One-year Limited Warranty to Original Purchaser

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