

Bendix King KR87A ADF Radio Summary of Features

KR 87A ADF radio.

In real aircraft it is normal for a single ADF radio to be fitted. However, in some cases two ADF radios are fitted. This situation is not normally seen in Flight Simulator, but has been provided here.

Three KR 87A ADF radios are provided:

KR 87A ADF radio for a single ADF installation, filename: **BendixKingADF!KR87A_JD**

KR 87A ADF1 radio for a dual ADF installation, filename: **BendixKingADF!KR87A_JD_1**

KR 87A ADF2 radio for a dual ADF installation, filename: **BendixKingADF!KR87A_JD_2**



Features

General

- Comprehensive and accurate simulation of real KR 87 ADF (Automatic Direction Finding) radio.
- All knobs can be rotated using left/right mouse clicks, or by using mouse-wheel.
- The kHz tune knob can be pulled-out/pushed-in using middle click (click mouse wheel).
- Full documentation (Pilot's Guide) provided.

ADF Radio

- Standby Frequency set by clicking knobs, or by using mouse-wheel.
- The large tune knob sets the kHz x 100 and kHz x 1000 digits.
- The small tune knob when pushed in sets the kHz x 10 digit, and when pulled out the kHz x 1 digit.
- Frequency display correctly shown with 1 kHz resolution (decimal kHz digit not shown).
- To tune an NDB frequency with a fractional kHz digit (for example 388.5 kHz) simply ignore the fractional digit (in the above example set the tuning to 388 kHz). After a brief delay the radio will automatically be correctly tuned.
- Flip-flop (FRQ/↔) button to swap frequencies.
- Direct Active Tune mode whenever Flight Time or Elapsed Time are displayed.
- Animated (rotating) VOL (volume) knob and On/OFF switch.
- Press the FLT/ET button to show Flight Time. The Flight Timer can be programmed to run continuously, or to start/stop when the aircraft is airborne/on the ground thus providing automatic flight timing.
- Press the FLT/ET button again to show Elapsed Time. Count-up and count-down modes are available using the SET/RST (set/reset) button.
- Working BFO button; the BFO indicator is shown
- Working ADF button. Press to cycle between and ANT and ADF modes.

Standby Frequencies when saving "Flight"

- ADF radio for a normal single ADF installation: saved normally.
- ADF1 and ADF2 radios for a dual ADF installation: saved to a file.

Extra (Spoof) Features

- NDB Signal Strength.

Bendix King KI 227 gauge for ADF2 radio

An ADF2 radio and indicator gauge for general aviation is quite a rarity in Flight Simulator, and a Bendix King KI 227 ADF2 indicator gauge (**BendixKingADF!KI227_JD_2**) is provided for use with this radio. A matching ADF1 gauge (**BendixKingADF!KI227_JD_1**) is also provided.

An attempt has been made to have the needle move in a realistic way. The needle moves slowly, and wanders about in inverse proportion to the signal strength, and therefore range.

