



RS372 Radio Stack Simulator

It's so realistic, it's just like a real Radio Stack

Why settle for less, if you can have a Radio Stack which doesn't only look exactly like the original, but also behaves like the original?

TRC's Radio Stack RS372 for Flight Simulation is so realistic that you can hardly tell the difference between the simulated Radio Stack and the real Bendix King Silver Line* products. Modelled after the popular Bendix King Silver Line* Radio Stack, as used in the Cessna 172 Skyhawk,* all details are precisely reproduced extremely close to the exact dimensions of the original radios. Each radio is separately mounted. You can therefore change the order of how the radios fit in your panel if you want. The RS372 Radio Stack is designed to be driven from a Personal Computer via USB. The RS372 Radio Stack is the ultimate training device for pilots.

The RS372, a Hi-Fi Radio Stack Simulator

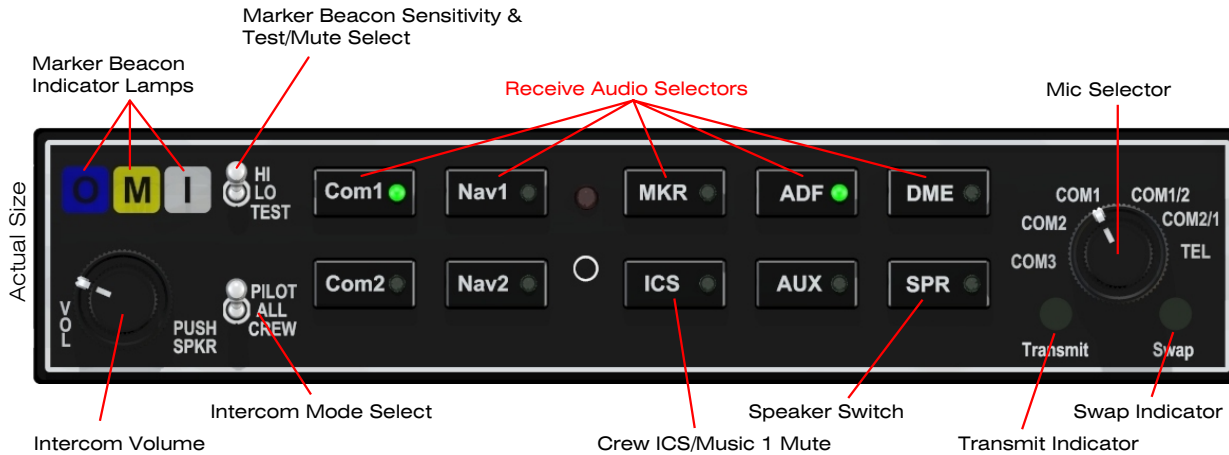
Precisely reproduced after the original Bendix King Silver Crown line*, the TRC Radio Stack RS372 includes all necessary avionics for realistic Radio and IFR training:

- KMA28 Audio Panel
- KX155A NAV/COM1
- KX155A NAV/COM2
- KN62A DME
- KT76CT Transponder
- KR87 ADF
- KAP140 Autopilot

Text in red color on the next pages indicates which functions are supported when used with Microsoft Flight Simulator 2002/2004, due to limited availability of parameters. All other switch and display functionalities are supported via the RSC Software Development Kit.



The functionality you have dreamed of,



KMA28 Audio Panel

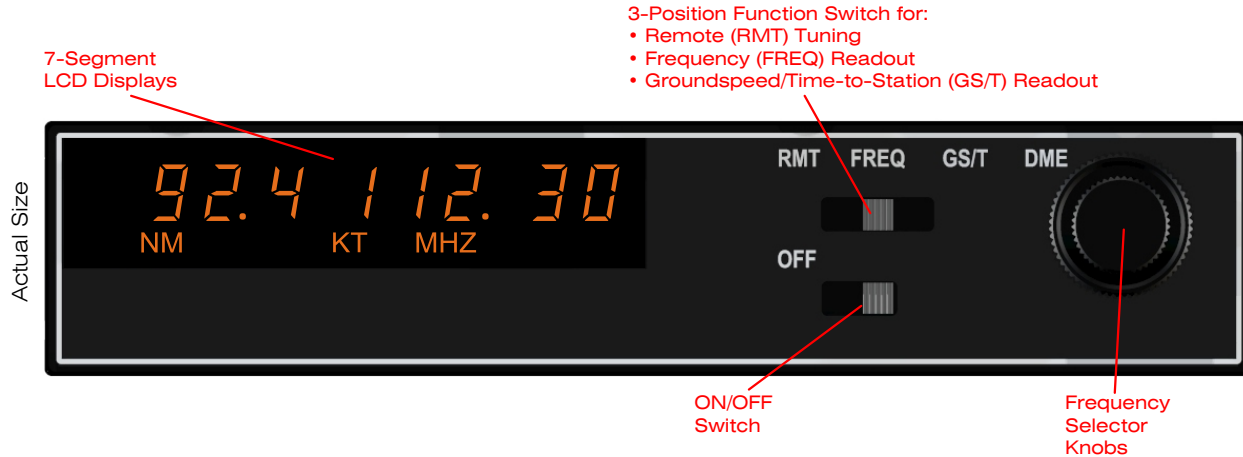
The functionality of the simulated KMA28 Audio Amplifier/Intercom/Marker Beacon Receiver is extremely close to the original product. Users can identify which receivers are selected by noting which of the green switch LEDs are illuminated. Push buttons labeled Nav 1, Nav 2, DME, MKR (Marker), ADF, AUX (auxiliary), and SPR (Speaker) are "latched" type switches (the latching function is indicated by a led).



KX155A/165A NAV/COM (2x in Radio Stack)

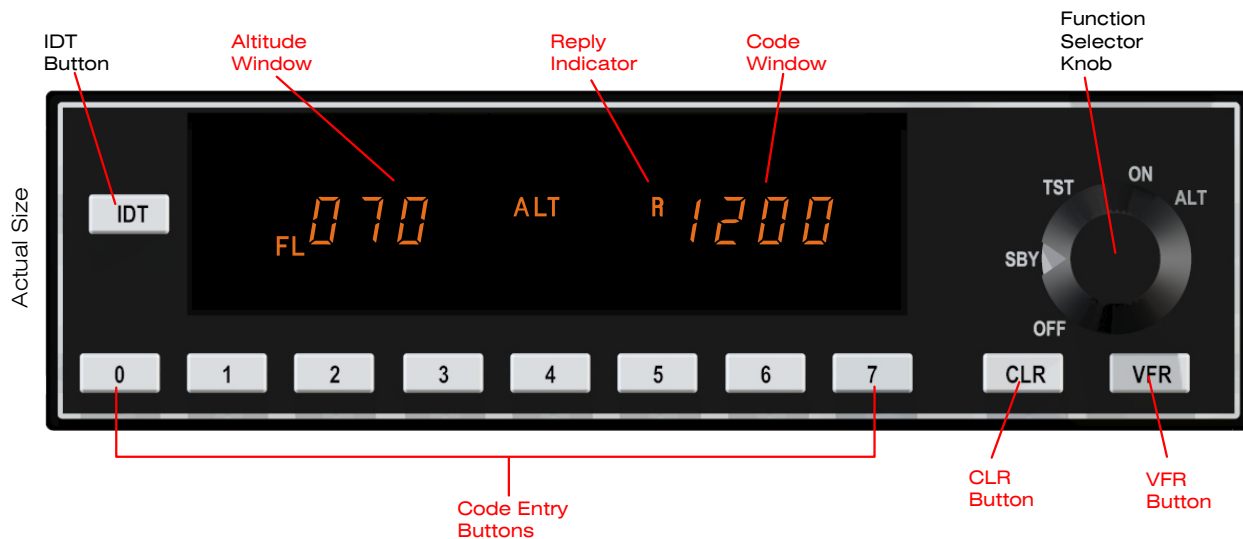
The RSC372 Radio Stack is equipped with two KX155A/165A radios. The unit has a so-called CDI (Course Deviation Indicator). The vertical "needle" moves side to side similar to a mechanical CDI. When the needle is centered, the aircraft is on the selected OBS course. When the active frequency is tuned to a VOR frequency, the center of the CDI scale displays the "TO" or "FROM" indicator.

is now available for flight simulation....



KN62A DME

The unit is channeled internally with its own two concentric frequency selection knobs. The smaller of the two knobs has an “in” and an “out” position. When in the “in” position, this smaller knob changes the 0.1 MHz digit (0.0, 0.1, 0.2, etc.). When pulled “out”, it adds 0.05 MHz to the frequency and tunes in 0.1 MHz steps (0.05, 0.15, 0.25, etc.). The outer, larger knob changes the larger digits (1 MHz, 10 MHz).



KT76CT Transponder

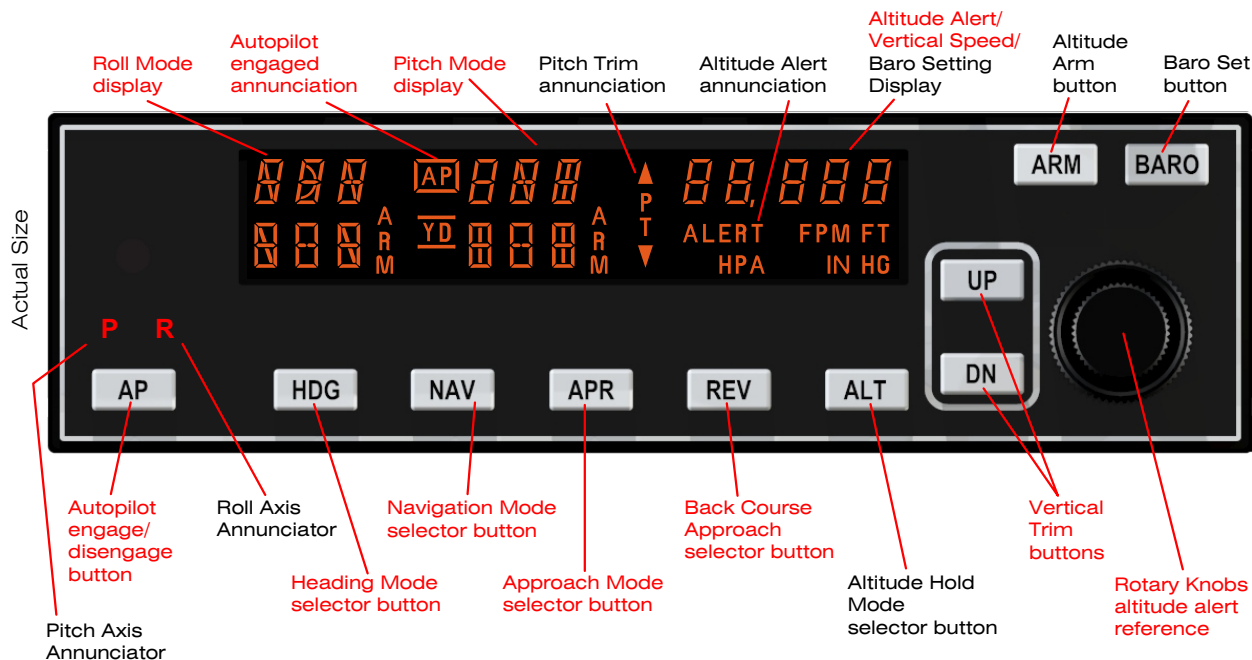
Like other Mode A/Mode C transponders, the KT 76C replies with any one of 4,096 codes, which differ in the position and number of pulses transmitted. By “replying” to ground transmissions, your KT 76C enables ATC computers to display aircraft identification, altitude and ground speed on Enroute, Approach or Departure Control radar screens. When the IDENT button is pressed, your aircraft will be positively identified to the Air Traffic Controller. The KT 76C also displays Flight Level Altitude, marked by the letters “FL” and a number in hundreds of feet, on the left side of the display.

....at full specifications!



KR87 ADF

The active frequency (to which the ADF is tuned) is displayed in the left side of the window at all times. A standby frequency is displayed in the right side when "FRQ" is annunciated. The standby frequency is placed in "blind" memory when either FLT (Flight Time) or ET (Elapsed Time) mode is selected. With "FRQ" on, the standby frequency is selected using the frequency select knobs which may be rotated either clockwise or counterclockwise. Pull the small inner knob out to tune 1's. Push the smaller inner knob in to tune 10's. The outer knob tunes the 100's and the 1000's up to 1799.



KAP 140 Autopilot

The TRC autopilot simulator is based on the KAP 140 Autopilot System from Honeywell, which is a rate based digital autopilot system offering smooth performance and enhanced features found only in more expensive autopilots. This system brought digital technology and reliability into the light aircraft cockpit. Internal monitors keep constant track of the KAP 140's status and provide for automatic shutdown of the autopilot or trim system in the event of a malfunction.

You decide where

Since each radio of TRC's Radio Stack RS372 for Flight Simulation is a separate product, you can decide which order you would like to have it mounted in the stack chassis. Would you rather have the Autopilot on top? Or just one COM/NAV? The TRC Radio Stack RS372 can be made to measure with exactly the radio's you choose. And even better: at any time in future, you can extend your stack with another radio.

The empty spaces are covered by a black faceplate, to be removed when you add the radio at a later date. All products out of TRC's Radio Stack RS372 are connected internally to the so-called "Radio Stack Controller". This controller has provisions for all radio's as shown in this brochure, but is even prepared for the future, where you can add a GPS and a Moving Map when they become available. The software - which controls the stack - can be updated over the internet at any time. The complete stack connects to your PC via a USB.

Examples of configurations

1



2



3



4



Technical Details

Size: WxHxD: 6.7x15.7x9.5" / 170x400x240 mm.

Weight: 22 Pound/10Kg.

Voltage: 110v 60Hz./230 v. 50Hz.

Power consumption: 100 Watt (with all radios mounted)

PC Connection: USB

PC minimum requirements: (PC not included)

- Windows 2000, XP or NT
- Processor 1,5 Ghz.
- 256 Mb Memory
- 32 Mb graphics card

Software Development Kit available

As the TRC Radio Stack comes with control software for Microsoft Flight Simulator 2002/2004*), not all possibilities of the radio stack inputs and outputs are supported.

In this brochure the text in red color around the description of each radio module indicates which functions are supported when used with Microsoft Flight Simulator 2002/2004, due to limited availability of parameters.

All other switch and display functionalities are supported via the RSC Software Development Kit. The SDK supports the following programming languages: Microsoft Visual C++, Borland C++ Builder, Microsoft Visual Basic and Borland Delphi.

*) To use the Radio Stack with Microsoft FS2004, a license for the use of FSUIPC (interface software by Pete Dowson) is required.



The RS 372 Radio Stack is a product of

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Warning

The TRC RS372 Radio Stack cannot be used in a real aircraft.

The stack may only be used for flight simulation.

Although that TRC's Radio Stack is designed to simulate the original avionics stack for use at flight simulator environment, the functionality may be limited by the flight simulator software used.

This Radio Stack Simulator needs to be controlled by flight simulator software. At the moment of print of this brochure the following flight simulator software is supported:

"FS2002/FS2002 Professional" |(Microsoft)

"FS2004" (Microsoft)

Flight Simulator Software is not included in the price of the Radio Stack Simulator. Please check our website for the latest updates