

KT 70 & KT 71

Bendix/King
Panel-Mounted
Transponders



KT 70 & KT 71

Restyled and equipped with enhanced backlighting and controls, the Bendix/King Silver Crown Plus KT 70 Mode S transponder also offers Mode A and Mode C compatibility. Identical in appearance, the Silver Crown Plus KT 71 Mode A/C transponder is a cost-effective alternative. (Shown actual size)



Offering improved ergonomics, our entire line of Silver Crown Plus avionics features more extensive control backlighting and larger, sturdier knobs for easier use.

The Tradition Continues

With more than 30 years of experience, Honeywell is the recognized leader in transponder technology. We developed the first solid state transponders for the airlines and general aviation, the first low-cost general aviation transponder and the best-selling panel-mounted transponder of all time. We developed the first Mode S transponder for corporate aviation, and built the first corporate Mode S transponder certified for use with TCAS II (Traffic Alert and Collision Avoidance System).

Now, we've improved the industry's first panel-mounted Mode S transponder, the Bendix/King KT 70, and its companion, the KT 71 Mode A/C transponder, to make them even more pilot-friendly.

A New Look

Restyled to match our entire line of Silver Crown Plus avionics, the KT 70 and KT 71 transponders feature new faceplates for a more contemporary look. More than just a styling update, this change was made to help improve ergonomics and make your new transponder easier to operate.

For example, backlighting of the bezel nomenclature and knobs is now standard, speeding recognition and making night flying even easier. We also improved both units' control knobs and buttons, providing a sturdier feeling and a greater sense of precision.

To some people, pressing a button or turning a knob may not seem like an important action. But, as pilots, we understand that there are times when precise control is critical. If you're as demanding as we are, you'll appreciate the difference our new design makes on your flight deck.





About The KT 70 & KT 71

IDENT BUTTON – Marked IDT, the KT 70/71's Ident button is pressed when ATC requests an "Ident" or "Squawk Ident" from your aircraft.

ID CODE – The ATCRBS Transponder Identification code (squawk code) for the aircraft is displayed in the Ident Window on the right side of the display. Each of the four Transponder Code Selector Knobs selects a separate digit of the identification code.

REPLY – The lighted "R" reply indicator blinks when the transponder is replying to a valid interrogation.

ALTITUDE DISPLAY – The KT 70 and KT 71 display Flight Level Altitude, marked by the letters "FL" and a number in hundreds of feet.

VFR – The VFR Pushbutton recalls the preprogrammed VFR code, superseding whatever code was previously entered.

FUNCTION SELECTOR KNOB – The Function Selector Knob enables you to choose from among the following operating modes:

OFF – The unit is not receiving power.

SBY (STANDBY) – In Standby, the KT 70 and KT 71 are energized but are inhibited from replying to any interrogation.

TST (TEST) – Replies are disabled in test mode, and the unit illuminates all segments of the display for at least four seconds. A series of internal tests is performed to check the KT 70/71's integrity, verifying all EEPROM data and making hardware and squitter checks.

GND (GROUND) – In the KT 71, all interrogations are inhibited. In the KT 70, Mode A & C interrogations are inhibited, but the KT 70 will reply to all valid Mode S interrogations. An optional remote "air/ground" switch may be installed on the aircraft's landing gear strut to keep the KT 70 and KT 71 in the GND mode until the airplane is airborne.

ON – The KT 70 is able to reply to all valid Mode A, C and S interrogations (Mode A and C on the KT 71); however, altitude information is suppressed.

ALT – In the "ALTITUDE" mode, the KT 70 replies to all valid Mode A, C and S interrogations (Mode A and C on the KT 71).

DISPLAY ADJUST MODE – The KT 70 and 71 displays feature three programmable adjustments, used to vary the dim/bright response time to changes in ambient light and, if necessary, compensate for the unit's position in the panel.

NOTE: For specific operating information, consult the Silver Crown Plus Pilot's Guide. Honeywell Part Number 006-18110-0000.

Powerful Performance

As you might expect, our transponder leadership has enabled us to develop a value-packed Mode S unit. Providing Mode S surveillance capabilities, the KT 70 offers full Mode A and Mode C compatibility as well, to meet all ATCRBS (Air Traffic Control Radar Beacon System) technical requirements.

Both the KT 70 and KT 71 are TSO'd Class 1A transponders (TSO C112 for the KT 70 and TSO C74c for the KT 71), meaning they are suitable for use at all altitudes. Both also feature easy-to-read gas-discharge displays, which show the selected ATCRBS code and encoded altitude being transmitted to nearby Air Traffic Control ground stations. Their all-solid-state circuitry and surface mount technology (SMT) construction provide greater reliability than previous-generation transponders.

In fact, all this advanced capability is available in a package identical in size—and similar in utility—to our popular KT 76A transponder. Pushbutton selection of VFR code and Remote-Ident switching help reduce pilot workload. Self-test capability offers the reassurance that your position is being reported accurately, and the pilot-programmable display includes adjustments for dimming time and brightness levels.

Like our other panel-mounted avionics, the KT 70 and KT 71 are backed by the comprehensive Bendix/King two-year "no-hassle" warranty. And, no matter where you fly, you'll never be far from one of our 800 authorized service centers worldwide—the most extensive and responsive support network in general aviation.

Combining improved ergonomics, usable features, proven performance and legendary Bendix/King reliability, the Silver Crown Plus KT 70 and KT 71 offer the value and capability you expect from the leader in panel-mounted avionics.

See your nearest Honeywell Sales & Service Center for further details and a demonstration of all the new Silver Crown Plus avionics systems.

KT 70 and KT 71 Specifications

Physical Dimensions:

| | |
|---------------|---------------------|
| Height | 1.63 in. (4.14 cm) |
| Width | 6.25 in. (15.87 cm) |
| Length | 10.0 in. (25.4 cm) |
| Weight | 3.90 lbs. (1.77 kg) |

Operational Characteristics:

| | |
|----------------------|--------------------------------|
| Power Req. | 11-33VDC, 35W max. |
| Output Power | 200W peak pulse, minimum |
| TSO (KT 70) | C112, DO-181, DO-178A, DO-160B |
| TSO (KT 71) | C74c, DO-181, DO-178A, DO-160B |
| Max. Altitude | 50,000 ft. |
| Temp. Range | -20° to +55° C. |



©2000 Honeywell
7/00 006-18108-0001 10K Printed in USA

Policy Notice: Avionics installations require special skills, tools and test equipment. Our limited warranty is valid only for equipment installed in accordance with our sales and service policies. In keeping with our policy of continuous product improvement, designs and specifications may be altered without notice.

Honeywell
23500 West 105th Street, Olathe, KS 66061-1950
Telephone 913.712.2613 Fax 913.712.5697
Toll Free in U.S. 877.712.2386
www.bendixking.com

BENDIX/KING
EQUIPPED WITH CONFIDENCE.