



Clear Vision Beyond The Horizon

## In-Flight Entertainment Systems (IFE)

### **Kestrel Gold (Plus) 8 Place Dual In-Flight Entertainment Package (IFE) Premiere Customized Solutions**

#### **(2 Each) DVD/CD/MP3 PLAYER**

DVD/CD/MP3 player(s) with optional audio/video input plugs on front faceplate. Unit 1 operates as primary audio/video single source; Unit 2 operates as secondary audio/video single source. This system has worldwide capability and permits you to play discs from most any region in the world in the NTSC or PAL format.



- Compatible with DVD, VCD, Super-VCD, DVCD, CD and MP3.
- Multi language on screen menu. Supports up to 32 language captions and 8 language dub.
- DTS digital provides high-fidelity stereo interface & High quality image with over 500 lines horizontal resolution.
- The unit can be mounted horizontally or vertically in the aircraft for easy installation.
- Composite and S-Video outputs with back-lit LCD display.
- Full use functions on the faceplate. (Note: Unit face-place many differ slightly) IR/RF Remote function
- Auxiliary input jacks on the front of the unit permit you to plug in games for viewing on the cabin monitors
- Your passengers can load MP3 CDs and listen to their own recorded music.

#### **Specifications/Interface**

FAA/PMA APPROVED, DO-160 TESTED  
 Playable Discs DVD, SVCD, VCD, CD, MP3  
 Frequency Response DVD: 10Hz-20KHz +/-1 dB  
 Power 28V DC @ 0.5 AMPS/12V DC @ 1 AMP  
 Output Interface 2x RCA output (front and rear)

Dimensions 7" x 6.64" x 1.97" (180x170x50mm)  
 DVD-R, DVD+R, DVD-RW, DVD+RW  
 Video Output Resolution >500 lines  
 Remote 1/16" jack wired remote sensor  
 High-resolution (S-Video)

Weight 2.65 lbs (1.2 kg)  
 Audio Signal/Noise Ratio 90dB  
 Video Signal NTSC or PAL  
 Remote Control included  
 Coaxial digital output + Subwoofer

#### **(8 Each) WIRELESS HEADSETS (Surround Sound)**

Welcome to a new approach in providing passenger comfort and entertainment. Before now typical In-Flight Entertainment (IFE) systems were expensive to install, complex to operate and add unnecessary weight to the aircraft that could be used for more useful purposes. Say goodbye to the past and welcome to the future because there is no longer a need to install expensive wiring or plated switch panels at each seat to select cabin audio. With our system you just interface the audio/video components to the small wireless transmitter unit and the headsets do the rest. Low cost, minimal downtime, and easy installation. You can even move around the aircraft cabin while listening to high quality audio without being tethered to a wire.



This headset cradles the ears and reduces approximately 10 db of ambient noise while the technology is a significant improvement over previous models. The headsets operate using 2 standard AAA batteries and the average operation time with new batteries is 18 hours. Each headset provides connectivity for up to three (3) channels by simply pressing the built-in auto-tune button. Volume control and on/off switch are also incorporated in the headset and if there is no signal detected on any of the channels, the headset will go into a sleep mode to save the batteries. What makes this system even more versatile is that there is virtually no limit to the number of headsets that can be used however; we recommend at least one headset for each passenger seat in the cabin.

#### **Specifications/Interface**

Power 2x AAA batteries-Buttons Volume, Input, ON/OFF

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**(1Each) WIRELESS TRANSMITTER**

Wireless R/F (Radio) transmitter provides exceptional sound quality over typical IR (infrared) systems. The added value is that this system eliminates the need to add costly switching, plating, wiring, speakers and weight.



**Specifications/Interface**

Wireless Transmitter

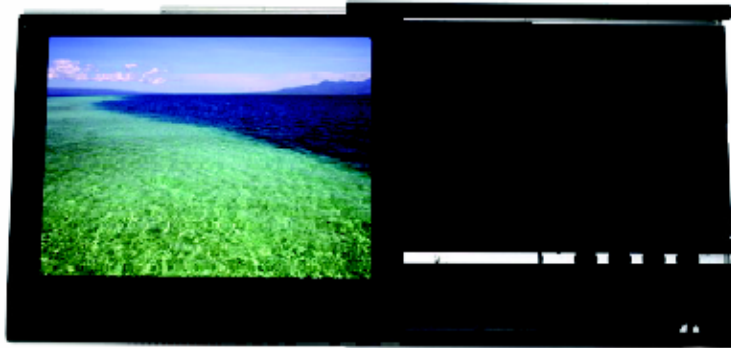
Dimensions 5.5" x 3.35" x 1.36" (140x85x35mm)  
 926.8RF Output Power 0.75 m/W  
 Burn Rating- UL94-5VA

FAA/PMA APPROVED,  
 Weight .5 lbs (.23 kg)  
 Maximum Sound Level 100 dB  
 Power 28V DC @ 180 m/amps

FAA DO-160 TESTED  
 Carrier Frequencies 925.0, 925.6,  
 Materials ABS Plastic  
 Input 15 pin D-Sub

**(2 Each) 15.0" LCD DISPLAYS AND SLIDE MOUNT(S)**

The 15.0 Slide mounted display is designed for use in aircraft where there is very little bulkhead space and when seat backs make it difficult to view typical cabin displays. The versatile mount permits cabinet or bulkhead attachment and is perfect for Beech/Raytheon King Air Series, Lear, Challenger, Hawker, Pilatus, Citation, and all larger aircraft. When deployed, the slide mount holds the LCD in position by two rugged slides and operation is very simple. The LCD is protected with a .06" Lexan lens to prevent scratching of the LCD and to meet FAA crash safety standards. This product can be ordered for mounting on the left or right bulkhead. To determine if you need an L (Left) or R (Right) unit, face the bulkhead where the unit will be mounted. If the unit is to be mounted on the right bulkhead, you need a (Right) unit. If mounted on the left bulkhead, you need a (Left) unit. Feature include; Three input sources, high quality SVGA picture quality for computer graphics, can be connected to existing video switching and easy to use buttons on the display let you switch video inputs



DEPLOYED



STOWED

**Specifications/Interface**

FAA PMA APPROVED/DO-160 TESTED  
 (359x318x46mm)  
 Dimensions Deployed 27.7" x 12.5" x 1.81" (704x318x46mm)  
 Slide Mount Type Retractable - Dual Rail Mechanism  
 Display Type 15.1" TFT Color LCD  
 Screen Resolution XGA 1024x768  
 Materials Aluminum  
 PC Input VGA (High Density DB-15 Connector)  
 Video Type Supported NTSC/PAL  
 Remote Control IR for changing video source.

Dimensions Stowed 14.14" x 12.5" x 1.81"  
 Weight 11 lbs (5kg)  
 Display Size 12.04 x 9.04" (306x230mm)  
 Display Color 16.7 Million  
 Brightness 450 cd/m<sup>2</sup>  
 Power 28VDC @ 1.5 AMPS  
 Video Input S-Video, Composite Video  
 Screen Control On Screen Display Menu



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**(8 Each) 7" LCD Wide Screen Monitors**

7" LCD wide screen video monitors with articulating arms, bay The arm has both a hinge and a pivot point, and it can rotate 180° around the attach point at the base and 180° at the bottom of the center of the LCD. This mount will allow the monitor to tilt back away from the passenger up to 15°. FAA PMA Approved.



**Specifications**

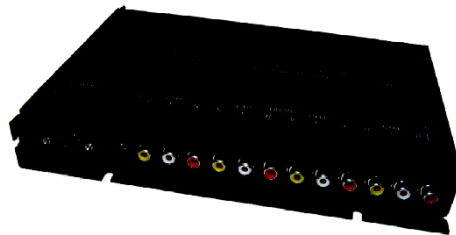
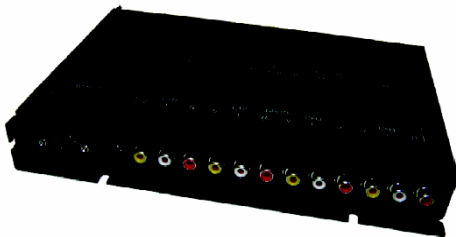
Dimensions 7.7" x 4.8" x 1.41" (196x122x36mm)  
 Display Size 6.25" x 3.60" (WxH) 159x91mm  
 Brightness 400 cd/m2 Power 12VDC power @ 8 watts  
 Screen Control On-Screen Display Menu  
 Base- Female Arm- Male

Weight 2.2 lbs (1kg)  
 Aspect Ratio 16:9 Wide  
 Video Input 2 @ Composite  
 NTSC/PAL (auto-detect)

Mount Type, 3 Axis Articulating  
 Display Type/Color 7" TFT LCD / 262,144 Colors  
 PC Input VGA (Analog RGB 15 pin D-sub)  
 Mount Connectors 2 @ High density DB-15

**(2 Each) Audio/Video Controllers**

This state of the art multi Audio/Video control device is perfect for cabin video and graphical entertainment. The unit has features that allow installation in the smallest of mounting areas with the minimum of interface equipment. Built with retro-fit aircraft integration in mind, this device can switch between four video input sources using a remote control momentary ground select switch (not included).



**Specifications**

DO-160 TESTED  
 Materials Aluminum  
 Audio Impedance 8.2 K ohm  
 Video Bandwidth 10 MHz  
 Audio/Video Outputs 4 Independent  
 Control Sequence Source 1, 2, 3, 4

Dimensions 9.5" x 1.25" x 7.25" (241x32x184mm)  
 Finish Black Powder Coat  
 Video Input Composite Video  
 Power 28VDC @ 1.0 AMPS  
 Video Type Supported NTSC/PAL  
 Remote Control Via Momentary Gnd (Not supplied)

Weight 1.8 Lbs (.82 kg)  
 Audio Bandwidth 15 KHz  
 Video Impedance 75 ohm  
 Audio/Video Input Sources 4



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## (1 Each) Universal Remote (Wireless)

Remote Control and base station enable you to control audio/video components in the cabin with a single RF/IR wireless unit.

- **Remote Control:** The remote control can be used for either IR or RF. The IR remote is self learning and can learn the code of each piece of equipment by placing the two remotes face to face and sending the information. The RF remote can control up to twenty different devices. The remote has a port and the system can be configured using a PC. When you replace the battery in the remote, it still retains its operation instructions for extended periods.
- **Base Station:** The base station has attachment points on the bottom so it can be mounted to a wall. The base station can control six individual pieces of equipment. The system comes with six cords that are 10 ft in length. These plug into the back of the base station and provide an IR Emitter (Dinky Link™) that is attached to the IR receiver on each piece of equipment. Each IR Emitter has an adhesive for easy attachment. More than one remote can be used in the aircraft if you wish to have a remote for different zones in the aircraft. Narrowband frequency cuts back on stray frequencies which cause erratic remote operation. Long range - 50 to 100 feet.



### Specifications/Interface

DO-160D 21.B TESTED  
Dimensions, Remote 8.75x2.25x.875 inches (22x6x2 cm)  
Weight, Remote 7.6 oz (with batteries)  
RF Frequency 418MHZ  
Power, Remote Four AAA Alkaline Batteries

Dimensions, Base Unit 9.75x4.875x1.25 inches (25x12x3 cm)  
Weight, Base Unit 1 lb 2 oz (.51 kg)  
Range 50 to 100 feet  
RF Output Power Less than 1 mW  
Power, Base Unit 28V DC