



*How can I reach  
these buttons?*

**everybody**

With the IFC PES/PSS+USB Power System  
**gets a great experience!**

# { The IFC PES/PSS+USB Power System

**Inflight Canada's Passenger Entertainment/Passenger Services + USB Power System** has the unique, and patent protected, feature of the USB Power being embedded into each PCU at each passenger place.

This **IFC PES/PSS+USB Power System** is economical, adaptable and scalable to any aircraft type and any airline specific configuration.

It can also be installed and operate/integrate with any existing IFE system which may already be on the aircraft.

With the **IFC PES/PSS+USB Power System**, Customer Airlines will now be able to resolve problems with aging and obsolete cabin systems by a 100% replacement but can also maintain In-Seat systems in premium class while having the **IFC PES/PSS+USB Power System** in economy class at the same time with the added benefits of reduced weight, maintenance and SPARES costs and the same LRUs can be used across all aircraft types, makes and models.

The following information will explain how this **Inflight Canada PES/PSS and USB Power System** will save costs, reduce spares, maintenance time and best of all **enhance the passenger experience!**

{ The **IFC PES/PSS+USB Power System** is designed to fit into any aircraft type or model and is small enough to fit into any seat type or model.

The **IFC PES/PSS+USB Power System** is a direct replacement for any **B767** PES/PSS system and will interface with the **B747/B777/B787 CSS** or the **A330/A340** CIDS systems with the patented and unique feature of USB Power at each PCU.

The system is scalable from **B777/B767, A330/A340** down to **B737/B757, the A320** family, the **A220 type of aircraft** and all **regional jets** using the same part numbers.

The **IFC PES/PSS+USB Power System** is certified and operational on B767s, B777s and A330s with the derivative and stand-alone **USB Power System** now on A319/A320/A321 and B737-NGs.



A320



A330 / A340



B737



B767 / 757



B777



A220



Turbo-Prop Regional Aircraft, Q400 & ATR



CRJ & ERJ Regional Jets



The **IFC**  
**PES/PSS+USB**  
**POWER SYSTEM**  
and the stand-alone  
**USB Power System**  
can be installed on  
any of these aircraft



THE IFC  
**PES/PSS+USB**  
Power System



Patent Protected

# { The **IFC PES/PSS+USB** Power System

## PRODUCT DESCRIPTION

**PES** = Passenger Entertainment System, (audio channel and volume selection at the seat PCU).

**PSS** = Passenger Service System, (Reading and Cabin Crew Call Light/Chime at the seat PCU).

**USB** = USB Power embedded into the PCU or as a stand-alone USB Power Port.

The PCU can be arranged with any combination or any single feature.

The Customer Airline may select any one of or any combination of these features depending on what it wants to offer its passengers and if the target aircraft are twin aisle or single aisle. The “Passenger Experience” consists largely of the features that are contained on the “Passenger Control Unit,” or PCU. The main features of the PCU are:

- The USB charging port
  - The audio channel indicator
  - The audio volume control
  - The audio channel selector
  - The flight attendant call button
  - The flight attendant reset button
  - The overhead reading lamp control button
  - Key Pad Backlight
  - Maintenance indicators
- 
- Optional space for customer logo



## { The **IFC PES/PSS+USB** Power System

The main features of the PCU are (i) the USB charging port, (ii) the Flight Attendant call button, (iii) the Flight Attendant call reset button, (iv) the Reading Light control button (v) the Audio controls, (vi) the key pad back-light, (vii) intuitive maintenance procedures.

When a passenger activates the PCU the key pad illuminates providing positive guidance. A passenger might desire to call the flight attendant. When the flight attendant call request is activated, the seat call lamp is activated above the seat group. In addition, the PCU enters a call active state in which the back-light gently pulses to provide positive feedback and indicates to the flight attendant which passenger in the seat group initiated the request. When the call request is activated by a passenger seated in a middle or window seat, the Flight Attendant can locally reset the request from the aisle seat of the group to avoid unnecessary disturbance of intervening passengers.

In addition to the necessary functions of flight attendant call, call reset and overhead reading light, the PCU also supplies a convenient and powerful USB Power charging port for personal electronic devices such as iPads, mobile phones and other USB compatible devices. The **IFC PES/PSS+USB Power System** is controlled by the cabin crew from the Flight Attendant Control Panel typically located at Door L1. The control panel also activates the BITE system.



*Better Passenger Control  
and USB Power*





PES/PSS



PES/PSS  
+USB



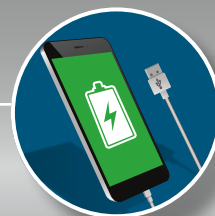
PSS



PSS  
+USB



Be ready and let them enjoy their travel experience  
even more!





## Audio MUX

P/N IFC-5034-001. 2MCU, 24 channels stereo or mono audio entertainment, 8 channels stereo or mono video-audio multiple language plus stowage capacity for BGM/ Safety Announcements.



## PLCU

PAX Lighting Control Unit, P/N IFC-5026-001. Fits into any B767 PSU Panel, operates up to 4ea. Reading Lights, either incandescent or new LED. "Applicable to B767 only"



## CICU

Column Integration Controller Unit, P/N IFC-5027-002. Integrates columns on B767 or A330 CIDS/ECIDS and B777 CSS systems.



## SJB

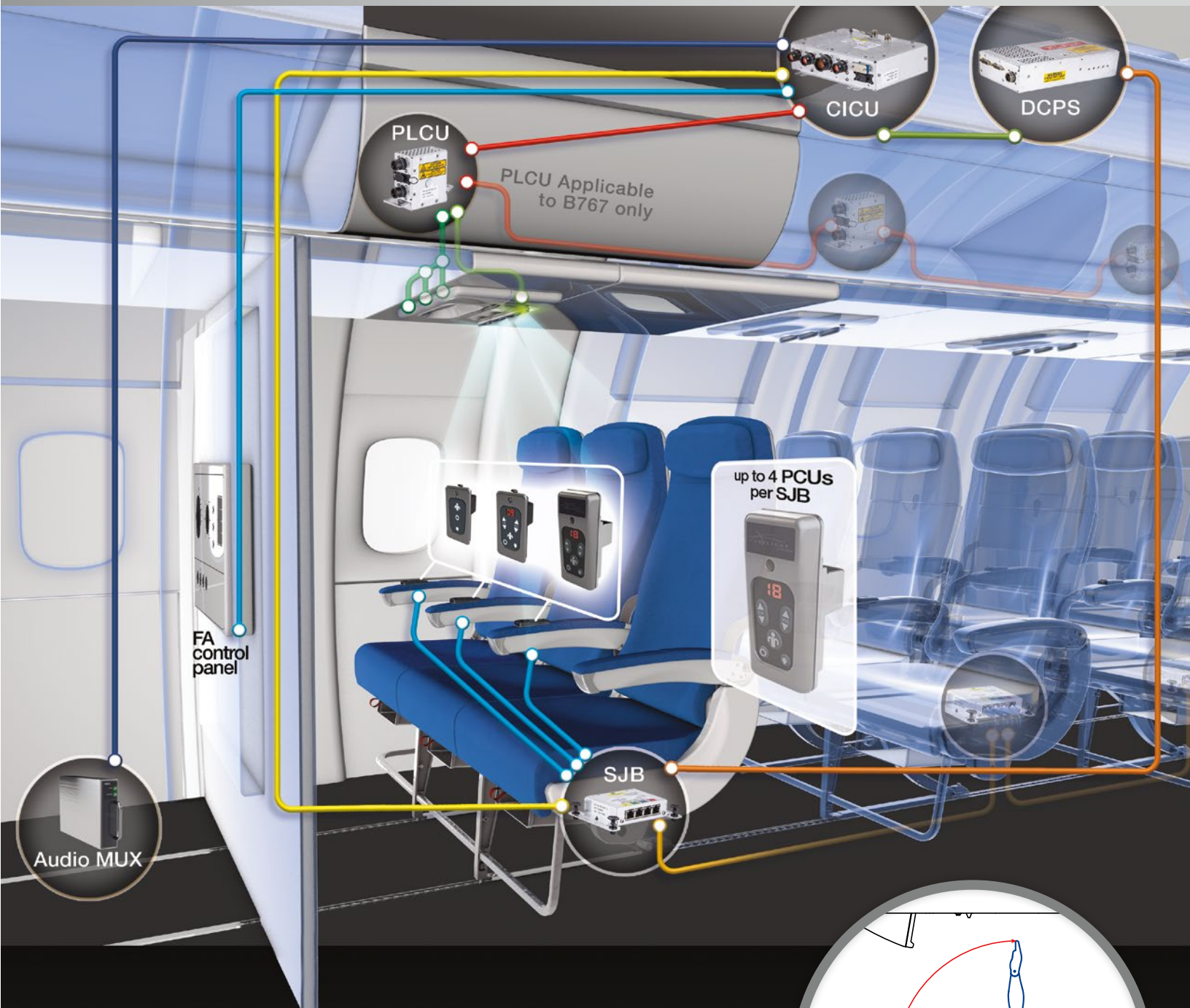
Seat Junction Box, P/N IFC-5031-001. Fits any seat assy, provides PES, PSS and +USB features up to 4 PCUs. Less than 0.35 lbs/.16 kg



## DCPS

DC Power Supply, P/N IFC-5030-001/-002. Converts aircraft 110vac @ 400hz to 28vdc.

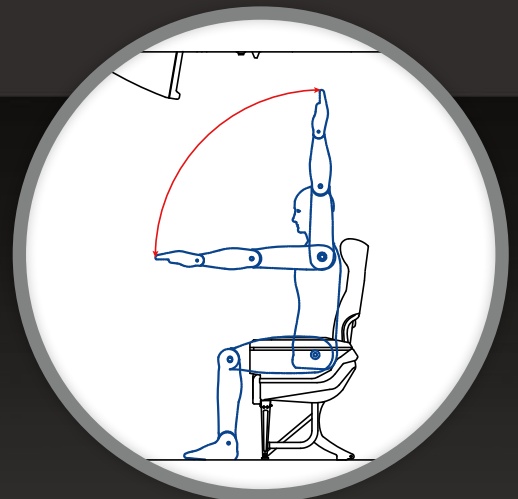
# The IFC PES/PSS+USB Power System on a typical Widebody Aircraft



# 95%

Male/Female profile  
**CAN NOT REACH**  
the PSU panels

in the center seats on a Airbus A330



# The Inflight Canada

## 2.1 AMPs USB power Type A and USB Type C up to 60w of continuous power

### System Components:

- Remote Power Module (RPM) – seat or sidewall mounted
- Remote USB Power Port (RUP). Very Easily Installed/Replaced/Removed and is available in Single, Dual and Combination Models
- Seat Cables with In-Line Disconnect
- Complete Seat and Airframe Installation Kit



SINGLE A



DOUBLE A



COMBO A & C

### System Features:

- 2.1 AMPs on-demand USB-A Power
- Up to 60w on-demand USB-C Power
- No MCU/CLCU required
- Customizable Faceplate (Color & Logo)
- Lowest Material Cost Possible
- “Power Available” LED light at each USB Port

#### Includes Important Safety Features:

- Over-Current Protection
- Thermal Shut-Down
- Short-Circuit Protection



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