

V0.1 DRAFT OCT 2023

PASSENGER TABLET DESIGN

UX GUIDELINES FOR THE WSCU

PANASONIC AVIONICS CORPORATION

OVERVIEW

The WSCU and TSCU are tablet devices for controlling the IFE system.

The WSCU is **battery-powered connected wirelessly** to the system.

The TSCU is **tethered** to the IFE system for power and data.

Both are designed for **use in premium cabins** (business+).

No physical buttons for control.

USE CASES

The tablet is used as a **second screen** device, similar to the way that a tablet or phone is used together with a TV in a living room environment.

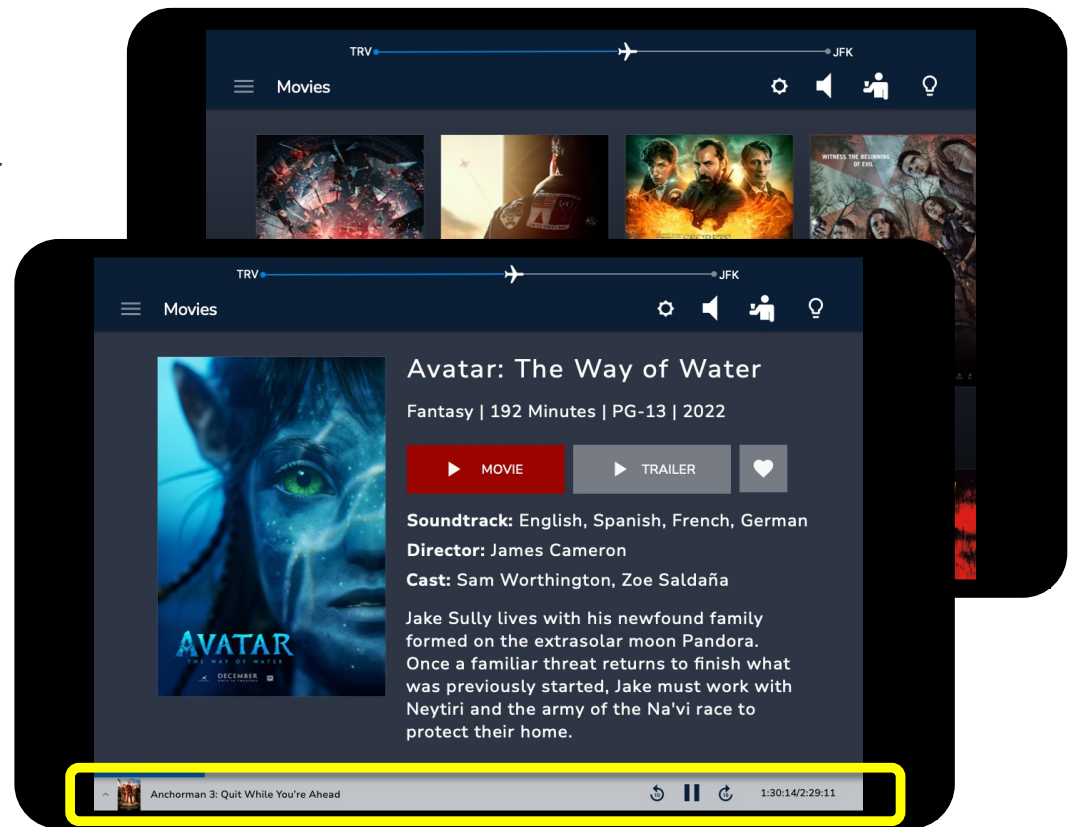
- It allows the passenger to **explore content** directly on the tablet and to also **select content to send** to the main screen.
- It enables **multi-tasking**, allowing the passenger to view content such as the map while something is playing on/through the main screen.
- It can operate as **remote control** for the main screen, when there is no handset device at the seat.

CONTENT BROWSING & PLAYBACK

The tablet should be used for **browsing and selecting** video titles for play on the main interactive. Selecting a video title to play automatically sends it to the main screen. *Full-length video cannot be played back directly on the tablet, due to battery performance.*

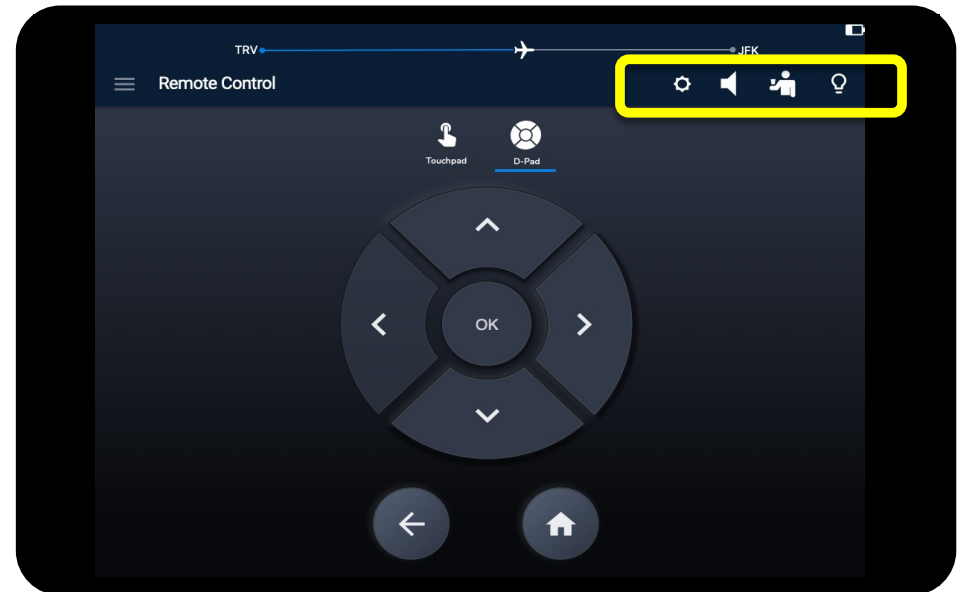
Playback of short video, such as trailers, is allowed on the tablet.

Media transport controls should be displayed at all times when AVOD is playing on the main screen. Media controls shown here displayed in an expandable drawer.



SEAT CONTROLS

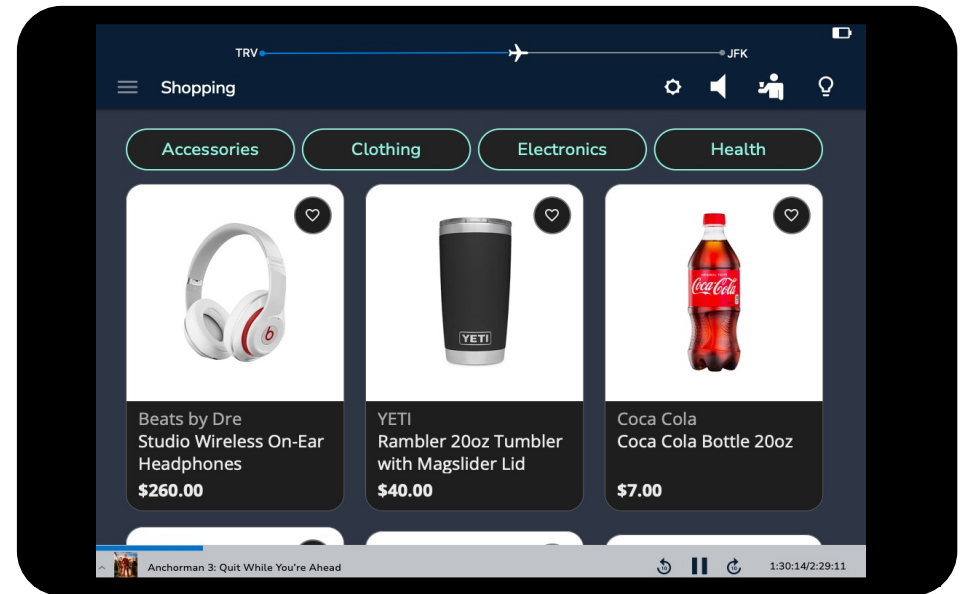
Crew Call, Volume, Reading\Suite Light, Monitor Backlight and any other seat controls should be always available within 1-2 touches on the WSCU.



SHOPPING

Shopping (Browsing + Ordering) should be run as a **self-contained** experience on the tablet—it does not cast or coordinate with content on the main screen in any way.

Since it is self-contained, shopping can happen in parallel to AVOD playback on the main screen.

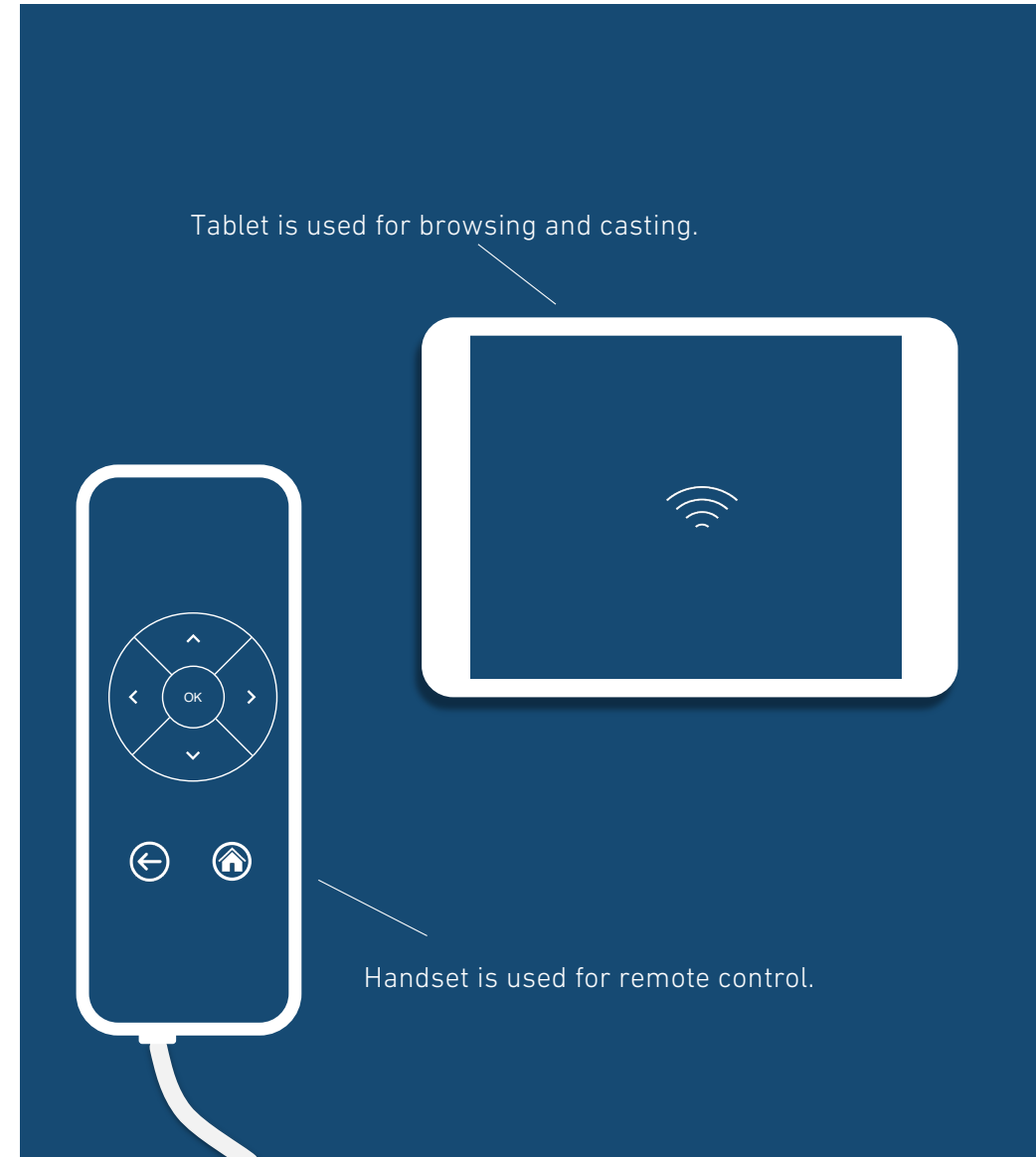


REMOTE CONTROL

Is there a handset at the seat?

If so, then the **handset will be used for remote control** of the main screen.

The tablet will be used for browsing content, viewing content directly on the tablet or casting it to the main screen.



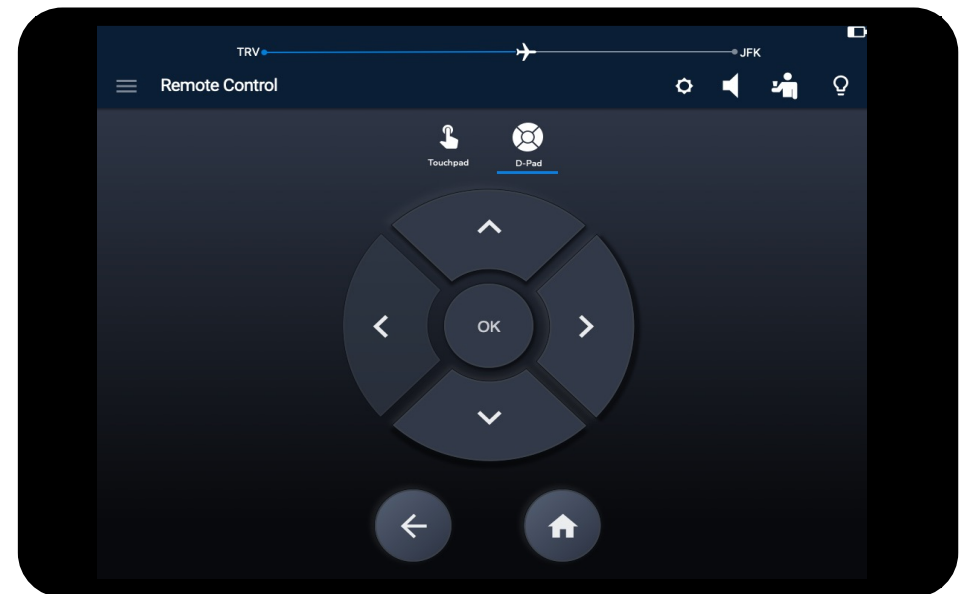
REMOTE CONTROL DESIGN

If there is no handset, then there should be a digital remote control mode on the tablet for navigating the main screen.

The digital remote should not be presented first, but available as an alternative to browsing/casting through a menu option.

It is recommended that the remote control offer both SWIPEPAD* and D-PAD options.

*NOTE: The SWIPEPAD does NOT control a cursor on screen, but simply allows the user to indicate up/down/left/right through directional swipes.

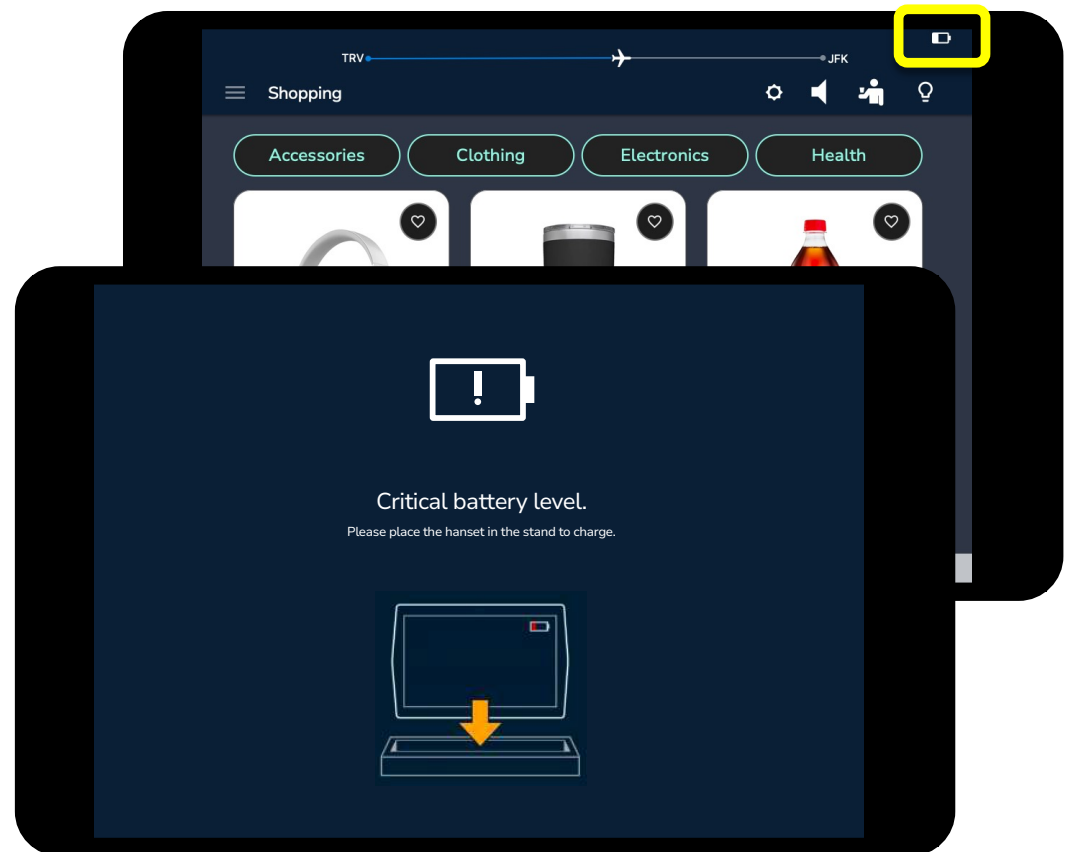


BATTERY INDICATION

Since the WSCU is a battery powered device, it is important to always provide the user visibility to the battery level.

Use standard battery level indications in the upper right of the screen, as on consumer PED devices.

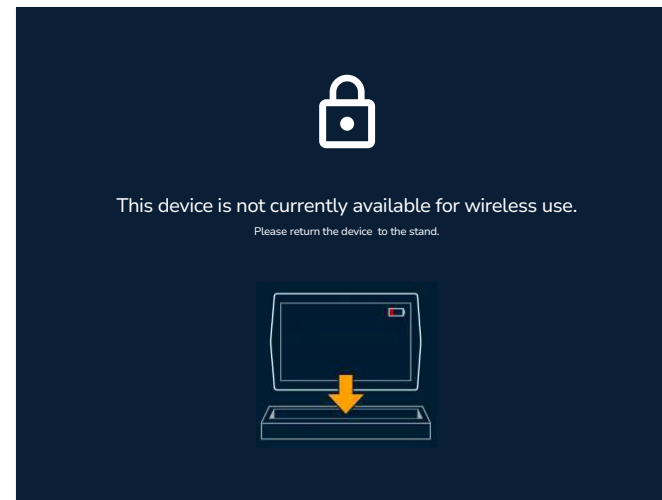
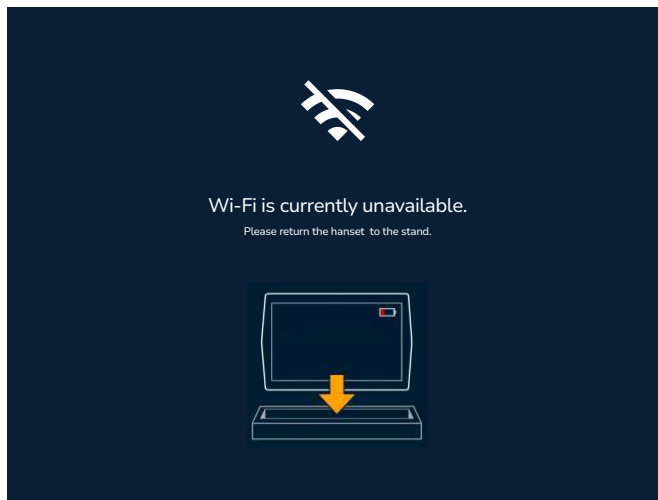
When the battery reaches a critically low level (less than 5% charge), the WSCU should go into a locked state and instruct the passenger to dock for charging.



LOCKED + WI-FI LOSS

In addition to critical battery, the passenger should be instructed to dock the tablet when:

- The Wi-Fi connection to system is unavailable/down
- The Tablet has been locked for landing by the crew.



DOCKED MODE + ORIENTATION

When the tablet is docked, it must provide core info and controls including:

- Battery charge level
- Locked/Unlocked status
- Time to destination / Est. arrival time
- PSS

The docking orientation suggests the normal usage pattern to the user. Therefore, it is recommended to lock the WSCU to landscape for all usage.

