

Aviation Companion.

Connects your aviation radio or EFIS to your iPad/Android device.
Works with SkyDemon and other apps.



- Easy to use.
 - Small, stable, robust.
 - Molded unit that withstands humid environments.
 - Powered from aircraft, any voltage between 4V and 30V is good.
 - Protected against reverse voltage on all connections.
 - Nothing to configure, just use it.
 - No battery to charge or replace.
 - RS232 levels to radio.
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Size: 44 x 22 x11 mm
Weight unit: 15 g
Weight with cable: 30 g
Current consumption: 10 mA
Cable length: 1 m
Extension cable length: 1,5 m
Baud rate: 9600 baud *)
Device name: UTRONIX_AC_xxxx *)

*) Configurable

In package:

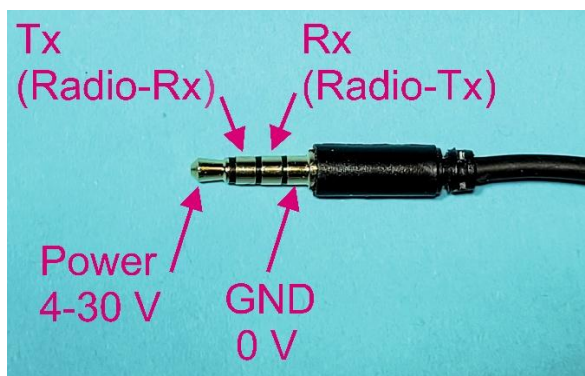
1 pcs Aviation Companion device.
1 pcs Extension cable. Socket connector and open wire ends.
2 pcs Velcro
1 pcs Heat shrink tubing
1 pcs Users guide

Aviation Companion have a 1-meter cable with a 3,5 mm plug with 4-poles.

There are two connection possibilities:

- 1) The connector may be cut of and the cable connected directly to the radio connector. This is a compact solution. It also is the best solution if no other wires are connected to same radio connector.
- 2) The extension cable may be connected to the radio and Aviation Companion connected with the plug. This is a more flexible solution.

In both cases the cable connecting to the radio may be cut to suitable length.



Tx from radio shall be connected to Rx on Aviation Companion and vice versa.

LED indicator.

A green LED flashes slowly when Aviation Companion searches for device. When connected the light is steady. During communication the light flashes rapidly.

If you do not want light, it can be covered with a small piece of black tape or a drop of black paint.

Configuration.

Aviation Companion comes configured with 9600 baud and the name UTRONIX_AC_xxxx, where xxxx is the last digits of the serial number (MAC-address).

Normally no configuration is required. If you need to change baud rate then change it in the radio so you only have to configure one device.

If you really want to change baud rate or device name it can be done via Bluetooth.

You will need a Bluetooth app like the free "LightBlue" (available for both Apple and Android).

1. Start the app and connect to the Aviation Companion by selecting the name "UTRONIX_AC_xxxx".
2. Select "Config".
3. Select "Subscribe".
4. In the upper right corner select "HEX". Choose UTF-8 String and select "Save".
5. Select "Write".
6. To set baud rate write "baud=9600" and press enter.
(Or 1200/2400/4800/19200/38400/57600/115200/230400)

To set a new name write "name=My name" and press enter.

To restore factory name write "name=factory".

Aviation Companion will reply with the command if accepted otherwise with "error". Aviation Companion can only be connected to one device at a time.

Connections on some radios:

TQ KRT2, 15-pin D-sub, male.

Signal radio	Pin radio	Pin companion
+14/28	8,15	Red
GND	1	Black
Rx	13	White (Tx)
Tx	2	Green (Rx)

Garmin GTR225/GNC255, 44-pin, female.

Signal radio	Pin radio	Pin companion
+14/28	30,43,44	Red
GND	31	Black
Rx	16	White (Tx)
Tx	1	Green (Rx)

Funke ATR833, 25-pin D-sub, male.

Signal radio	Pin radio	Pin companion
+5V	24	Red
GND	13,25	Black
Rx	9	White (Tx)
Tx	22	Green (Rx)

Funke ATR833, 9-pin D-sub for extension head, female on cable.

Signal radio	Pin radio	Pin companion
+5V	8	Red
GND	5	Black
Rx	3	White (Tx)
Tx	2	Green (Rx)

Designed and produced by:

UTRONIX Elektronikutveckling AB,
Landeryd Tallhöjden 1, 585 93 Linköping, SWEDEN
aviation@utronix.se www.utronix.se/aviation

