Connecting Aviation Companion to the radio.

Different radios (and AP) have different connectors.

The normal way of connecting to them is by soldering/crimping necessary wires to the connector that plugs in to the radio.

So, for a normal installation you have to connect three (or four) wires to that connector. In the same way as you connect wires for headset, PTT, power etc. to the connector.

Aviation Companion have a cable with a small 4-pole connector.

It is delivered together with an extension cable with open wire ends.

The wires are for: +Power, Ground (0V), Rx and Tx.

The RS422 version have a cable with six open wire ends.
It can optionally be delivered with connector for Becker AR6201 mounted.
The wires are for:
The wires are for: +Power, Ground (0V), Rx-, Rx+, Tx-, Tx+.

Different radios have different connectors and use different pin positions. One has to check in the radio's installation manual for where to connect the wires.

The connector may already be on the radio and have other wires connected (for power, headset, PTT etc).
The connector can have soldered or crimped connections.
If soldered you have to solder the wires to the connector, put a heat shrink tube over each soldering.
If crimped you have to find crimp elements for the connector and crimp them on the wires and push the elements on to the connector, you need a tool and skills for this.

If nothing is connected to the radios connector then you have to find a suitable connector first and then as above. In this case you can cut off our connector and use only the radios connector. No point in having two connectors in series.

The fourth RS232 wire (Receive Rx on AC – Transmit Tx on the radio) is not necessary to connect. It is not used at the moment with radios but other features might use it so it good to connect it. This is not rocket science to do but should be done by someone that has done such things before.

Information about connections on some radios is on last page of the user's guide. Otherwise look in the installation manual for the radio.

It is possible to connect Rx and GND to more than radio or AP. This is outside specifications but it works.