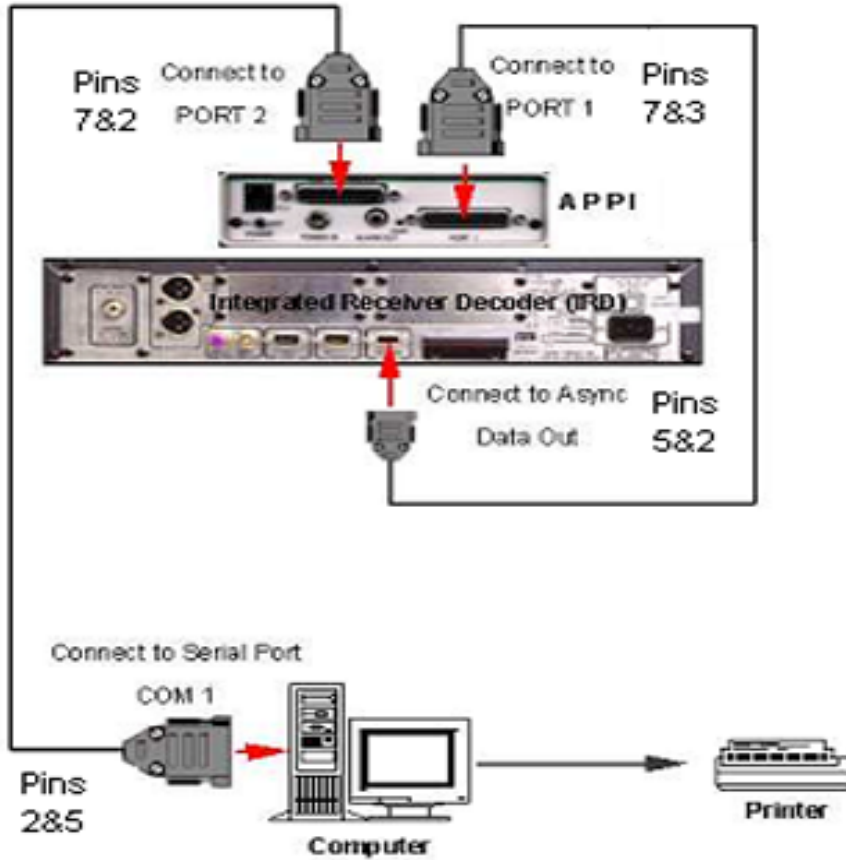


Associated Press
Printer
Interface
(APPI)
Installation Manual



This simple guide is intended to help you in the installation of the hardware used for receiving the APTN script service.

Correct way of connecting equipment



APPI = Associated Press Printer Interface



APTN utilizes the NAA/ANPA and IPTC format structure to deliver scripts to the International Broadcast Industry. Data is delivered at 9600bps via a smart interface device called an APPI. This device converts the AP wire feed to the various formats, codes and speeds. Delivery is available at 9600bps (**default**), 4800bps, 2400bps, and 1200bps. **9600bps is recommended.** Data is transmitted with 1 start bit, 8 data bits, no parity, and 1 stop bit. The NAA/ANPA and IPTC format structure is selectable.

Front panel

On the APPI's front panel there are 5 LED indicators, under normal operations the following are observed:

- PWR – It should be ON at all times.
- OH – It should be ON, when it is OFF a remote download is required.
- DCD – It should be OFF, if ON this indicates a problem with unit.
- RXD – FLASHING when data is received from the IRD.
- TXD – FLASHING when data is transmitted to the Newsroom system.

Check for APPI-RESET

When the APPI's power supply is reset (turned on/off). A RESET data/information is transmitted to the newsroom system. This will test the communication from the APPI to the newsroom system. If an APPI RESET information is received, this means that the APPI is able to transmit data and that the newsroom system's server is configured to receive APTN data.

If no APPI-RESET is received, then this could mean either:

- The newsroom system is not configured for APTN data.
- There is a possible cable break/short between the APPI and the newsroom system. The APPI could be faulty.

Check the Newsroom System/Server

Please skip this test if an APPI-RESET is received. When no APPI RESET is received, the newsroom system server communication configuration may not match with the APTN data format. The data is delivered at 9,600 bps, 8 bits, no parity, 1 stop bits. It is important that these settings are used in your newsroom system. If these settings are used and still no RESET is received, then proceed with testing your server's communication port, (COM

port). It is possible that your COM port is defective and does not take in any data into it. In most cases, COM port are damaged due to surges.

To help isolate the problem, a terminal emulator (e.g. Hyperterminal) maybe set up at the server side. Using the same data format, an APPI RESET should received upon power reset of the APPI.

If you are using AP Newsdesk, please refer to the AP Newsdesk troubleshooting for Windows

Voltage measurement test

Using a Voltmeter or alike, this test should be conducted when there is a suspected fault when data is not being transmitted to APPI or Newsroom system.

APPI's – Port 2, pins 2 & 7

- Pin 2 ---> (Signal)
- Pin 7 ---> (Ground)
- Normal Voltage = -12 Volts DC

RS232 – Data Port, at pins 2 & 5

- Pin 2 ---> (Signal)
- Pin 5 ---> (Ground)
- Normal Voltage = -9 Volts DC



Check for Cable Continuity

Using a multimeter, check for the continuity of the cables:

- Data cable that connects the satellite receiver (IRD) to the APPI
- Data cable that connects the APPI to the newsroom PC