

Date: 2/12/03

Log #: AN-0353

TAP Port Cable Extension Method

Background

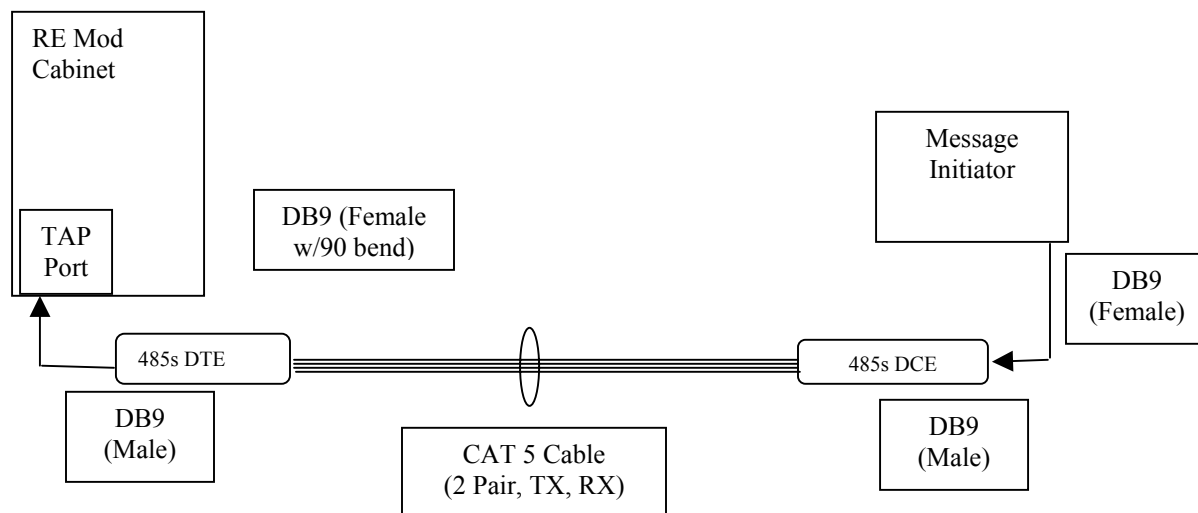
When establishing a messaging integration a null RS232 cable is needed to establish the link between the page Initiator and the Freeset DCT1900 or Mobility Server system. The RS232 has very crude distance limitations and therefore the distance between the paging interface and the Freeset or Mobility Server system can be no greater than 50 – 75 ft.

Resolution

To avoid the RS232 restrictions, a short-haul modem may be used to increase the separation (up to 4,000 feet) between the Paging Initiator and the Freeset or Mobility Server system TAP input port.

Technical Description

The IC-485S Interface Converter was used successfully in an integration which required text messaging to be imported into a Freeset DCT1900 SA system located approximately 1,400 ft away from the Initiator. The IC-485 was connected and configured as follows:



- Straight through DB9 Female to Male from 485S to Mod Cabinet and the same from PC Com port to 485s.
- CAT5 house pairs connect the two 485's

Specific Interface Converter Settings and Connections:

- 485 on RE end set to DTE, Ton, Ron

- DTE terminal connector:

1	2	3	4
w/b	b/w	w/o	o/w

Application Note

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- 485 on Initiator End set to DCE, Ton, Ron
- DCE terminal connector

1	2	3	4
b/w	w/b	o/w	w/o

Vendor Information

Vendor: Aten
Model: IC-485S
Distributor: Stay on Line Computers
Cost: Approximately \$60 each