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Log #: AN-0139

Interfacing WestCom Paging Application with Freeset DCT1900

Overview

The RS232/TAP interface enables the Freeset DCT1900 system to receive alphanumeric text messages addressed to its users by wireless number. The TAP (Telocator Alphanumeric Protocol) version 1.8 is used.

WestCom, installed on a server or workstation is connected to the DCT1900 Freeset system directly. Text messages received from the WestCom server or workstation are delivered to the wireless telephone.

Technical Discussion

Messages are sent to the Freeset DCT1900 system from the WestCom paging application via a serial (RS232) connection.

The maximum size of the text message delivered to the wireless phone is 100 characters.

Solution

This section gives a brief description of recommended settings and configurations of the components involved in this application.

Physical Connection

Connect the WestCom paging application server or workstation messaging equipment to the DB9 printer port of the Radio Exchange cabinet using a null cable that is provided by Ascom. See PC Cable Pin-out in TPM in section 5, page 26-5. The WestCom PC will need to be set up for the TAP 1.8 protocol. The port settings of the adjoining messaging equipment are 9600, 7, Even, 1 and No Flow Control. Use the Freeset CSM to enable the printer port as a TAP interface.

WestCom Configuration

Using the WestCom software application, enter a Pager ID (Freeset Portable Telephone Number) into the system before sending a message from WestCom.

For further details, please refer to the configuration and installation manual of WestCom.

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Ascom DCT1900 Configuration

The Ascom Freeset DCT1900 must meet minimum requirements to support SMS.

Minimum Requirements

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|----|-------------------|-----|
| 1. | CPU Firmware | R4A |
| 2. | Base Station code | R3A |
| 3. | DT600 Code | R2A |
| 4. | DT620 Code | R2A |
| 5. | CSM/CSS | R4A |

Additional Information

For further details, please refer to the Freeset Technical Product Manual of Ascom or contact the Technical Department at 1-877-712-7266