

Firmware Release: DD4318-00-800, DD4318-33-800, DD7018-00-800, DD8818-00-800, DD8818-33-800 (IPP233.002)

Release Date: 06/30/97

Previous Version: DD4318-00-69A, DD4318-33-69A, DD7018-00-69A, DD8818-00-699, DD8818-33-699

This new release of firmware includes the features and enhancements listed on the following pages of this bulletin.

CARD READER

Card Reader Operation

The phone now processes new Sprint United, and RBOC calling cards. Previously, the phone did not recognize these new card formats.

CALL DETAIL RECORDS (CDR)

Incoming Calls

Enhancements have been made to the CDR reporting functions of the phone. Call detail records for incoming calls will no longer contain data in the destination number field.

False CDR

Enhancements have been made to the CDR reporting functions of the phone. A false CDR will no longer be reported if a user comes off-hook while the phone has an "Electronic Coin Mechanism" (ME) error.

COIN TONE FRAUD

Incoming Calls

The filter for coin tone fraud has been enhanced for incoming calls.

ESCROW RELAY OPERATION

Operation During Low Battery

Enhancements have been made to the operation of the escrow relay to improve reliability during a low battery condition in the phone.

OVERTIME VOICE PROMPTS

Local Calls with Coin Deposit

Voice prompts have been enhanced for overtime coin deposits on local calls and toll calls when operating on a B1 line.

If the option "Enable Overtime Messages" is turned ON in the phone, the overtime prompts work as follows.

Thirty seconds prior to the expiration of the initial time period for the call, the phone sounds the following voice prompt: "Please deposit \$.XX for the next YY minutes". If there is no deposit within fifteen seconds, the phone sounds the following prompt: "Please deposit \$.XX for the next YY minutes or your call will be disconnected". If there is no deposit within five seconds the phone sounds the following prompt: "Your call is being disconnected because of insufficient deposits". If there still is no deposit detected, the call is disconnected.

OPTIONS AND REGISTERS

B-1 Line Operation

If the phone is operating on a B-1 line, the phone can now be programmed to remain on-hook for 4 seconds when a hook switch flash occurs. This prevents call handling problems that may occur if the central office does not recognize a shorter duration of on-hook time.

Follow the steps below to set this option for your particular needs.

- a. Press "3" from the main menu of ExpressNet®: **[Edit Options & Registers]**.
- b. Use arrow keys to highlight the record to be edited and then press [ENTER].
- c. Use the [TAB] key to select the **"Coin Line Options"** category.
- d. Use the arrow keys to highlight the option labeled **"4-second on-hook delay"**.
- e. Press [SPACE] to set this option to "Yes" or "No" based on the information shown below.

YES	Phone remains on hook for 4 seconds if the line is dropped and then reseized.
NO	Phone remains on hook for 1.5 seconds if the line is dropped and then reseized.

Default Area Codes

The following area codes have been added to the default tables within the phone.

240 - Maryland	441 - Bermuda	760 - California
242 - Bahamas	443 - Maryland	790 - Georgia
250 - British Columbia	541 - Oregon	847 - Illinois
320 - Minnesota	561 - Florida	860 - Connecticut
330 - Ohio	562 - California	864 - S. Carolina
423 - Tennessee	573 - Missouri	954 - Florida
440 - Ohio	626 - California	972 - Texas

REPORTING FUNCTIONS

"Defective Escrow" Flag

Modifications have been made to correct the reporting functions of the "Defective

Escrow" (DE) flag. Previously, the DE flag may have inaccurately reported to the computer if there was a mechanical coin mechanism installed in the phone.

"Dial Inactivity" Flag

Enhancements have been made to the operation of the "Dial Inactivity" (DI) flag. Previously, the DI flag may have become set as the result of an incoming call.

Voice Reporting Security Codes

Enhancements have been made to the operation of the *#6X XXXX security code feature. Previously, if a "0" was used as part of the 4-digit security code, the security code would be denied. Now, any digit (0 - 9) is acceptable in any position of the security code.

XP7000 Electronic Serial Number

The reporting status for the 7000 electronic serial number has been modified. Previously, the phone may not have correctly reported the operating status to the payphone management software.

STORE & FORWARD

Price Quoting

Store & Forward now supports price quoting. When a user dials "*" prior to a 0+ number, the phone sounds a voice prompt indicating the call rates. This feature applies only to those phones that are programmed for Store & Forward. In addition, the phone needs to be programmed for card and collect call surcharges in order for this function to work properly. Previously, this price quote feature was not available in DD type firmware.

Validation

Data transfer between the phone and the validation service has been improved.

VOICE ERROR MESSAGES

Voice error message functions in the phone have been enhanced. Previously, certain voice error numbers announced by the phone corresponded to conditions other than those listed below. Reference the listing below for new voice error message descriptions.

Voice Error Messages

Error 6	Key/Card Inactivity
Error 18	Initial Period Time Out
Error 19	Overtime Expired
Error 20	Insufficient Deposit
Error 26	Call Denied
Error 32	Reporting Error
Error 42	Invalid International Number
Error 62	Signal Unit Failure

VOLUME CONTROL

The phone's volume control function has been improved on phones that are equipped

with an external volume control button. Previously, if the volume control button was depressed for an extended period of time, the call would be disconnected.

CALL RESTRICT MODE

The call restrict mode of operation has been modified. All calls except 911 are now restricted during the time that the call restrict window is active.
