

# CHAPTER 4

## ESTEEM APPLICATION PROGRAMS

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**TRANSPARENT AUTO CONNECT**

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## ESTEEM APPLICATION PROGRAMS

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Listed below are different application programs to aid the user in programming the ESTeem.

### TRANSPARENT AUTO-CONNECT

This mode is used for a dedicated point to point application. The ESTeem will initiate the radio link when data is received by the RS-232/422/485 port.

Perform the following prior to programming the ESTeem(s) to initialize the unit to factory default settings:

1. Turn Bit 2 OFF on the RS-232C Setup Switch.
2. Reset the ESTeem.
3. TYPE FA <cr>. Please note the characters may not be echoed by the CRT.

ESTeem A	ESTeem B
ADD        xxx	ADD        yyy
SETC        yyy	SETC        xxx
TERMC      ON	TERMC      ON
TERMT      10	TERMT      10
XHF        ON *	XHF        ON *
DISACK     ON *	DISACK     ON *
TRANS ON	TRANS ON
SAVE	SAVE
Bit 8 ON	Bit 8 ON (RS-232 Switch)
Reset ESTeem	Reset ESTeem

**Notes:**

- Turn DISACK ON only if you want to defeat the acknowledge packet.
- xxx and yyy represent an ESTeem address which is user definable from 1 to 254.

### TRANSPARENT AUTO-CONNECT GLOBAL

This mode is usually used for a point to multi-point applications when a customers devices include their own addressing protocol to communicate between devices. The ESTeem packet addressing and acknowledge protocol is defeated. All ESTeems will receive the data transmission. The 16 bit CRC error checking on received data is still enabled. This program is used in all ESTeems, the only difference is the unit addresses.

Perform the following prior to programming the ESTeem(s) to initialize the unit to factory default settings:

1. Turn Bit 2 OFF on the RS-232C Setup Switch
2. Reset the ESTeem.
3. TYPE FA <cr>. Please note the characters may not be echoed by the crt.

ESTeem A

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ADD        xxx (xxx = ESTeem address)
SETCON     255
TERMC      ON
TERMT      10
XHF        ON *
TRANS ON
SAVE
Bit 2       ON (RS-232 Switch)
Reset ESTeem
```

**Note:** *Only hardware flow control can be used in this mode.*

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## ESTEEM APPLICATION PROGRAMS

### INTERACTIVE TERMINAL APPLICATION

This program is used to connect a mainframe to a remote terminal. This setup is a typical point to point configuration with the AUTO-CONNECT feature enabled.

Perform the following prior to programming the ESTeem(s) to initialize the unit to factory default settings:

1. Turn Bit 2 OFF on the RS-232C Setup Switch.
2. Reset the ESTeem.
3. TYPE FA <cr>. Please note the characters may not be echoed by the crt.

ESTeem At Mainframe		ESTeem At Terminal	
ADD	xxx	ADD	yyy
SETC	yyy	SETC	xxx
TERMC	ON	TERMC	ON
TERMT	10	TERMT	10
XSF	OFF	XSF	OFF
XHF	ON *	XHF	ON *
DISACK	ON *	DISACK	ON *
TRANS	ON	TRANS	ON
SAVE		SAVE	
Bit 2	ON	Bit 2 ON (RS-232 Switch)	
RESET ESTeem		RESET ESTeem	

#### Notes:

- Turn DISACK ON only if you want to defeat the acknowledge packet.
- Only hardware flow control can be used in this mode.
- xxx and yyy represent an ESTeem address which is user definable from 1 to 254.

### PROGRAMMABLE LOGIC CONTROLLERS

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