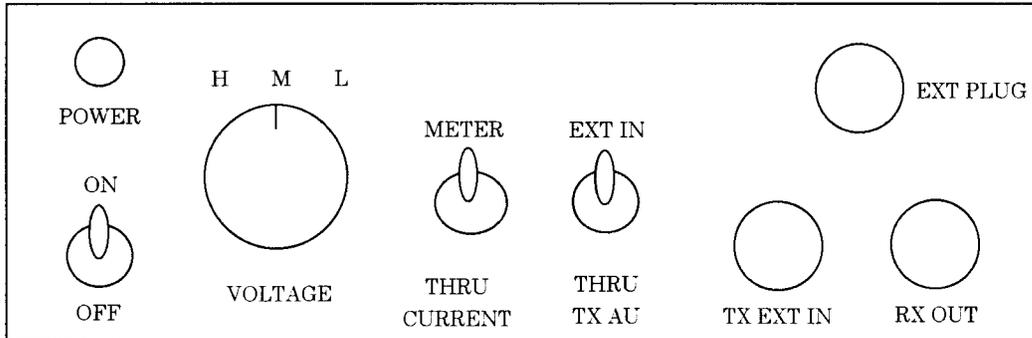


OPERATION AND CONNECTION DIAGRAM FOR INTERFACE

INITIAL SETUP

(UH-045Z INTERFACE JIG FRONT VIEW)



VOLTAGE

H 4.07V+10%
 M 3.70V
 L 3.33V-10%

(NOTE: Do not use THRU CURRENT)

CURRENT METER/THRU SWITCH

IF METER IS SELECTED, CURRENT CONSUMPTION CAN BE MEASURED BY CONNECTING CURRENT METER TO THE REAR CONNECTORS

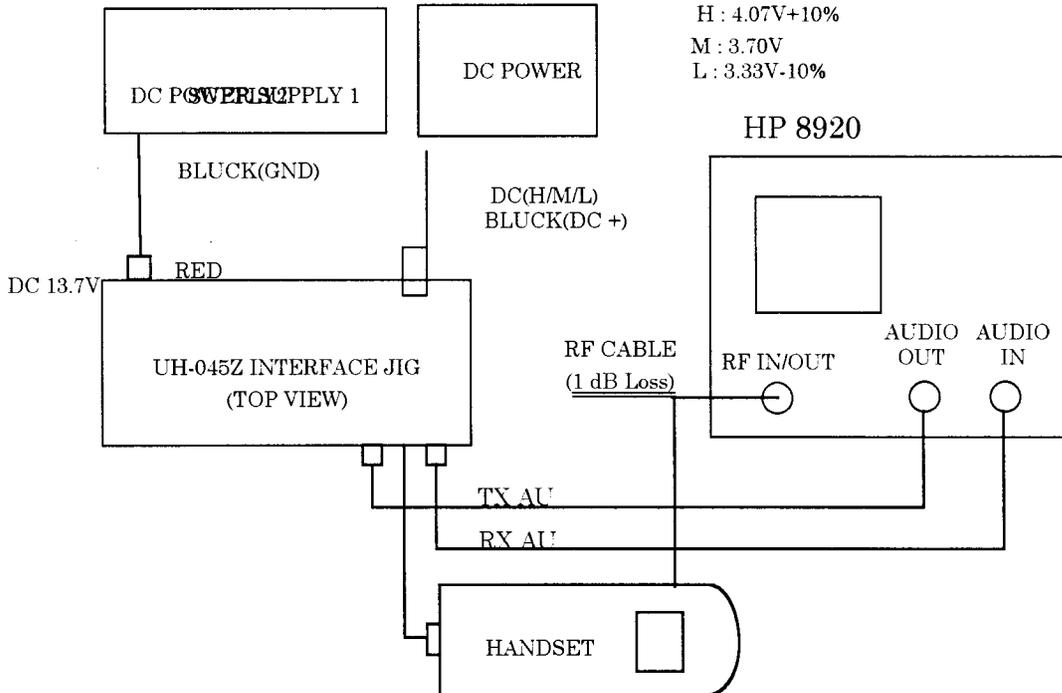
TX AU EXT IN/THRU SWITCH

EXT IN SHOULD BE SELECTED FOR EXTERNAL AUDIO SIGNAL TO BE USED

CONNECTION DIAGRAM

IF JIG DC SUPPLY USE(DC POWER SUPPLY1)

UNIT DC POWER USE(DC POWER SUPPLY2)



Program Mode

Overview

This appendix describes Program Mode. The Program Mode can be accessed to enter and view information not normally accessed by the end user. Menu functions include:

- Phone Line Programming
- Authentication Key (A-KEY) Check
- Monitor Mode
- Test Mode
- Password Entry

Entry

The following steps are required to enter the Program Mode:

1) While in Normal Mode press and hold the [*] and [#] keys together for 4 seconds. All the icons on the display will turn on and the phone will wait for the user to enter a password.

2) Enter the 8-digit password: [3][2][2][1][8][5][9][1]. No keypad tone will be generated.

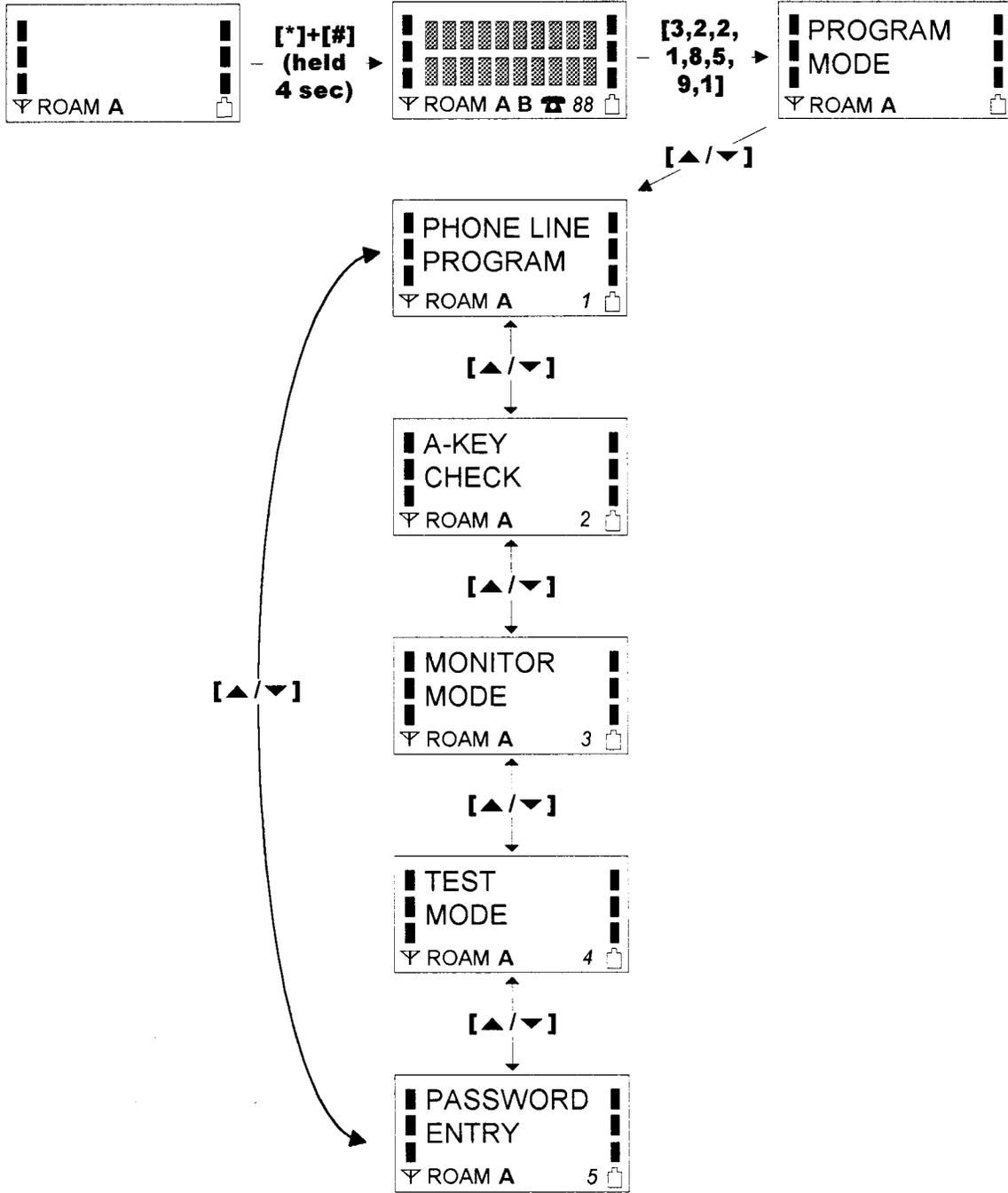
If the entered password is valid, “PROGRAM MODE” will appear on the display.

If the correct password is not entered within 10 seconds, operation will return to Normal Mode.

3) Press either [▲/▼] key to view the menu:

- 1: PHONE LINE PROGRAM
- 2: A-KEY CHECK
- 3: MONITOR MODE
- 4: TEST MODE
- 5: PASSWORD ENTRY

Press the [SEND] key to select the mode.



Menu Items

The following menu items are available in Program Mode:

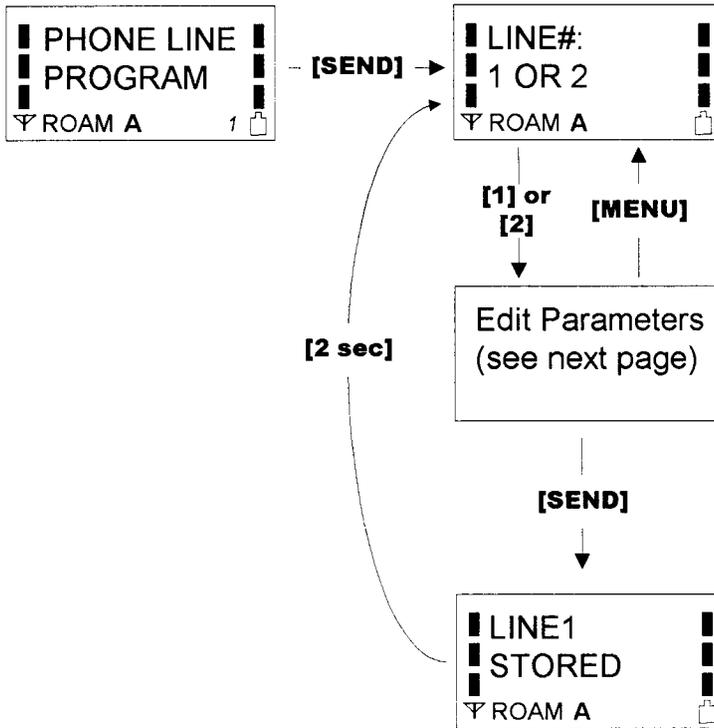
- Phone Line Programming
- Authentication Key (A-KEY) Check
- Monitor Mode
- Test Mode
- Password Entry

Phone Line Programming

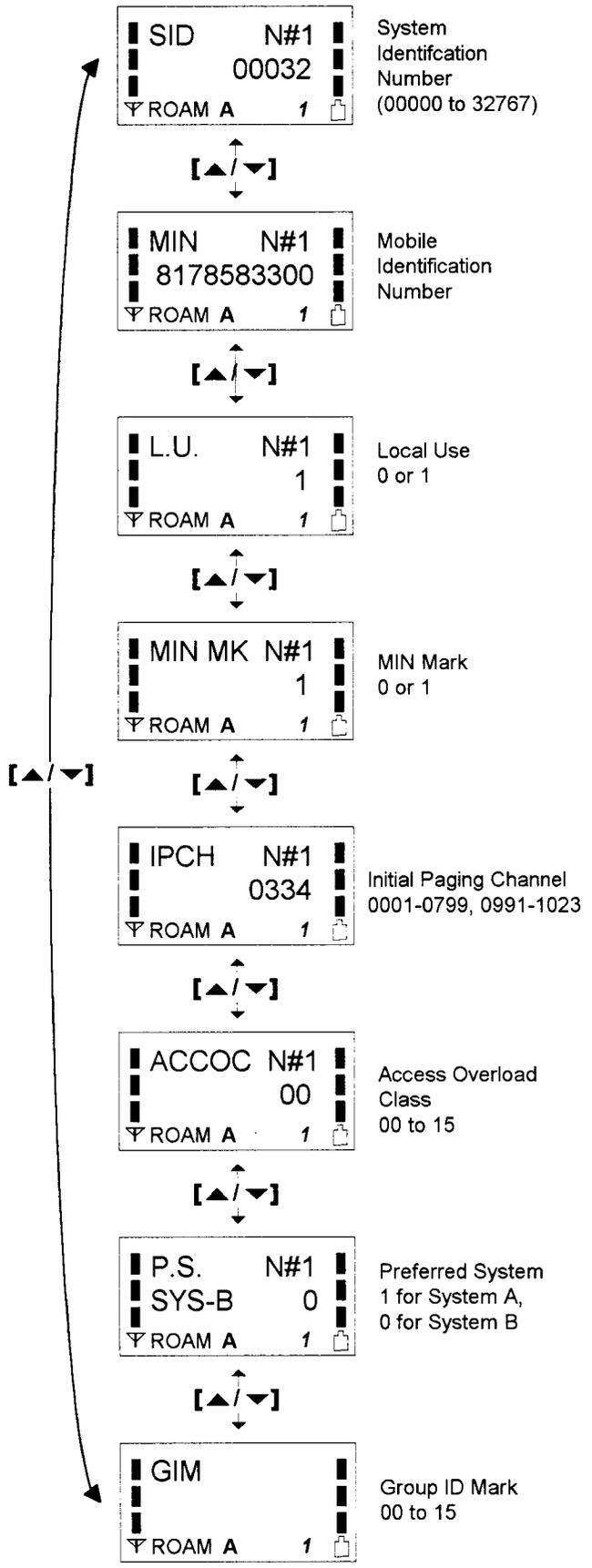
This function programs the *Phone Line* parameters.

The *Phone Line* parameters are programmed as follows:

- 1) Select the “**PHONE LINE PROGRAM**” function after entering the Program Mode.
- 2) Enter the Phone Line ([1] or [2]) to be programmed.
- 3) The *Phone Line* parameter (starts from “SID”) along with the phone line selected will appear in the top line of the display. The data associated with the selected parameter appears in the bottom line of the display. The *Phone Line* parameters are selected for editing by pressing either the [▲] or [▼] key. Enter the desired value for each *Phone Line* parameter.
- 4) Press [SEND] to store the *Phone Line* data to non-volatile memory after editing the parameters. If the *Phone Line* data is stored successfully, the “**STORED**” message will appear on the display. If an error is encountered, the “**FAIL**” message will appear on the display.



Note: Press the [MENU] key to go back to *Phone Line* number prompt.
 Press the [END] key to exit Program Mode and go back to Normal Mode.



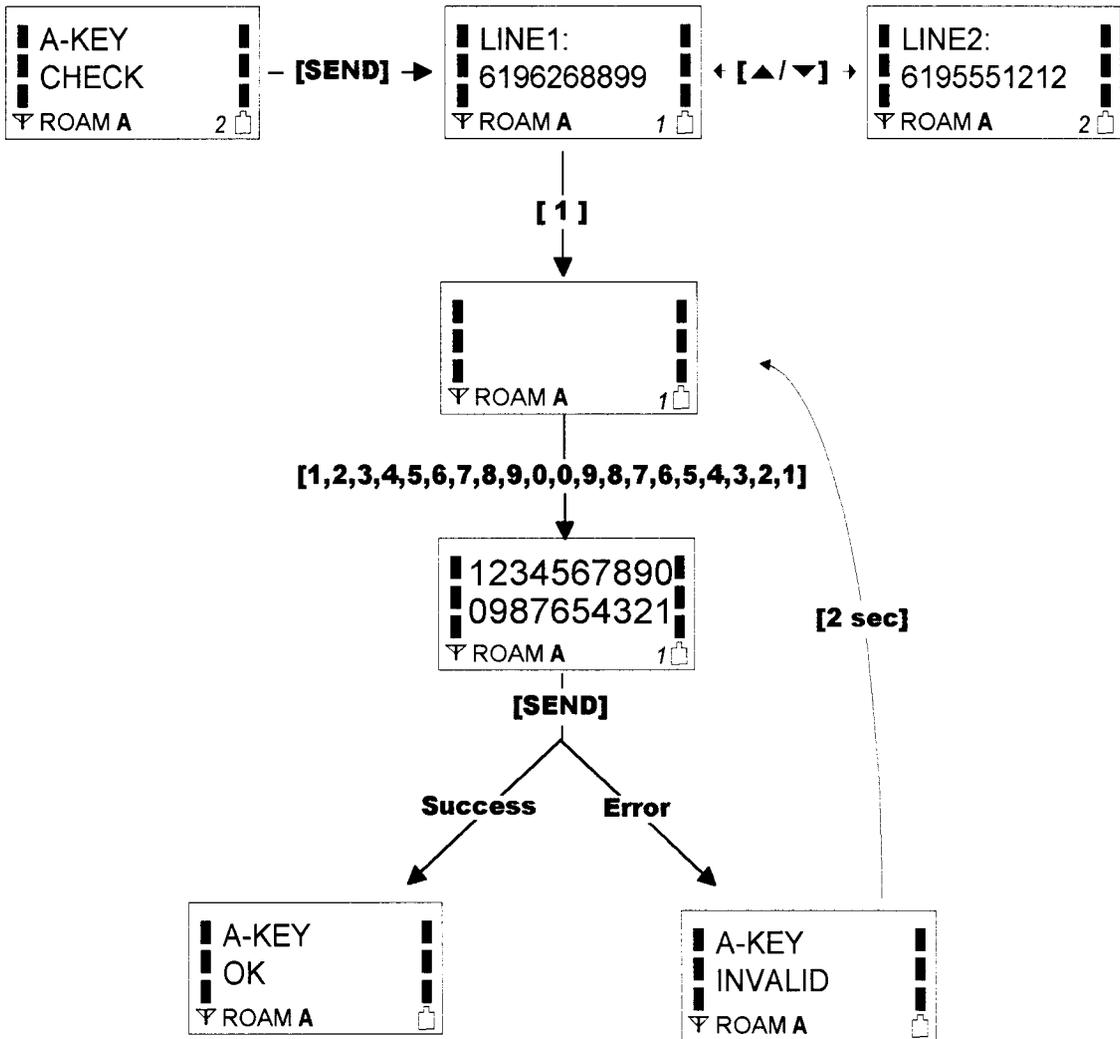
Authentication Key (A-KEY) Check

This function is used to check the 6 to 20-digit A-KEY.

The A-KEY is checked as follows:

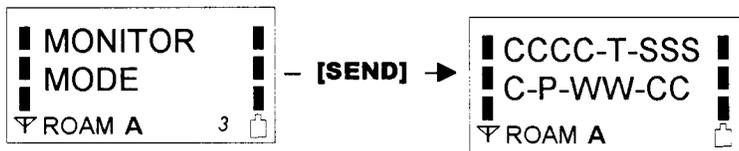
- 1) Select the *A-Key Check* function after entering the Program Mode. Choose which *Phone Line* the A-Key is to be checked. Choosing "1" will select LINE 1 and the LINE1 MIN will appear in the display. Choosing "2" will select LINE2 and the LINE2 MIN will appear in the display.
- 2) Enter the 20-digit A-Key. Pressing [CLR] will erase the last entered digit.
- 3) Press [SEND] to execute the A-KEY verification procedure.
- 4) If the entered A-Key is the same as the stored A-Key in EEPROM, "**A-KEY OK**" will be displayed for two seconds. Operation will then return to Normal Mode.
If the entered A-Key is different than the stored A-Key in EEPROM, "**A-KEY INVALID**" will be displayed for two seconds. Operation will then return to Step 2.

The user may press the [END] key at any time to exit the *A-Key Check* function and return to Normal Mode.



Monitor Mode

This function allows the monitoring of system related channel and call processing state information. When the “MONITOR MODE” is selected, status information will appear on the display and be updated once a second. This function can only be stopped by a power cycle.



A description of each of the information fields is as follows:

CCCC: Channel Number 0001-0799, 0991-1023
 T: Type Of Channel "C" for Control, "V" for Voice channel
 SSS: Signal Strength 000 to 255
 C: Digital or SAT Color Code 0 to 3
 P: Power Level 0 to 7
 WW: Number of Word Syncs received
 CC: Call Processing State (see table below)

CC #	CP State
00	NULL_STATE
01	INIT_STATE
02	PAGING_SEL_STATE
03	IDLE_STATE
04	REG_STATE
05	ORD_CONF_STATE
06	PAGE_RES_STATE
07	ORG_STATE
08	AWAIT_MSG_STATE
09	AWAIT_REG_CONF_STATE
10	WAIT_FOR_ORD_STATE
11	WAIT_FOR_ANS_STATE
12	CONV_STATE
13	REL_STATE

Test Mode

The Test Mode allows for the viewing and changing of various system related parameters. This feature is mainly meant for test purposes. Improper use of the Test Mode commands could result in corrupting the normal operation of the phone. No incoming or outgoing calls are allowed while in Test Mode. Test Mode is discussed in further detail in the *Srv-src-sd11* *WT_SW* *minicel* *documents* *documents-current* *system* *MT_PIC_ICD.doc* document.