

FS 800



KEY TELEPHONE SET



Southwestern Bell
Freedom Phone[®]

7442 Shadeland Station Way
Indianapolis, IN 46256-3925

OWNER'S MANUAL

CONGRATULATIONS! You have purchased a BASIC KEY TELEPHONE SET that will fill all of your present needs. As you read this OWNER'S MANUAL, you will realize that you have a multitude of functions at your fingertips. In order to take advantage of these useful features, learn to operate this system by following all of the instructions printed here and in the USER'S GUIDES of the STATIONS.

TABLE OF CONTENTS

GLOSSARY	2
UNPACKING	3
LOCATION OF CONTROLS	4
FUNCTION OF CONTROLS	6
INSTALLATION OF BASIC KEY SET	7
ADDITIONAL COPY OF TEMPLATE	8
CHECKING YOUR SYSTEM—DIAGNOSTIC TESTING	10
FEATURES AND OPERATION	11
INTERCOM	
HOW TO USE INTERCOM	11
DND MODE	12
MUTE	12
CONFERENCE	12
CALL WAITING	13
PAGING	13
OUTSIDE LINES	14
OUTSIDE LINE CALLS	14
SPEED DIAL	14
FLASH	14
PRIVACY	15
TONE/PAUSE	15
HOLD	15
CALL TRANSFER	16
LAST NUMBER REDIAL	16
AUTO REDIAL	16
CONFERENCE	17
NIGHT RING SERVICE	17
STATION PROGRAMMING	18
DSS	18
STORE AN OUTSIDE NUMBER	18
AUTO ANSWER MODE	18
FOLLOW ME	19
FUNCTION LED STATUS	20
RING & TONES	21
PROBLEMS & SOLUTIONS	22
CARE AND MAINTENANCE	24
REPAIR	24
WARRANTY	25

THIS MANUAL SHOULD BE READ COMPLETELY BEFORE INSTALLING AND OPERATING THIS BASIC KEY TELEPHONE SET

GLOSSARY

In this manual you may find words you are not familiar with. If you refer to the definitions listed below, you will find it easier to install and operate this station.

1. **KSU**—Key Service Unit is the core of this multi-CO line system.
2. **Station**—individual telephone operated only by connection to the KSU.
3. **Master Station**—station connected to extension No. 20 and has the capability of programming certain features of the system.
4. **Basic Station**—station that has many of its' own features in addition to whatever may be programmed into it from the Master Station
5. **Template**—guide to aid in wall mounting this unit—see page 8 for details.
6. **Cartridges**—Pre-programmed circuits that add additional capabilities to the system.
7. **Off-Hook**—Condition in which the phone is in use, handset off cradle or MONITOR on.
8. **On-Hook**—Condition in which the phone is not in use, handset in the cradle and MONITOR is off.
9. **Intercom**—allows call placed from one station to another station in the system without using an OUTSIDE LINE.
10. **DSS**—Direct Station Selection—Allows quick use of an intercom path from one station to another.
11. **Jacks**—molded portion at the ends of wires or cords interconnect the parts of the system when they are plugged into the proper receptacles.
12. **CO Line**—(Central Office) Outside line installed by the Telephone Company.
13. **IPM**—Impulses per minute.

UNPACKING

Carefully remove the BASIC Key Telephone set and its accessories from the shipping carton. If there is any visible damage, do not use the unit. Notify your dealer or shipping carrier immediately.

Keep the shipping carton and packing materials as well as all literature.

The following items are included in this carton:

- | | |
|--------------------------------|---------------------------------------|
| 1 – FS 800 Basic Telephone Set | 1 – Template for Wall Mounting FS 800 |
| 1 – FS 800 Pedestal | 2 – Each screws and fasteners |
| 1 – Handset with Coiled Cord | 4 – Adhesive backed pads |
| 1 – Short Telephone Line Cord | |
| 1 – Long Telephone Line Cord | |

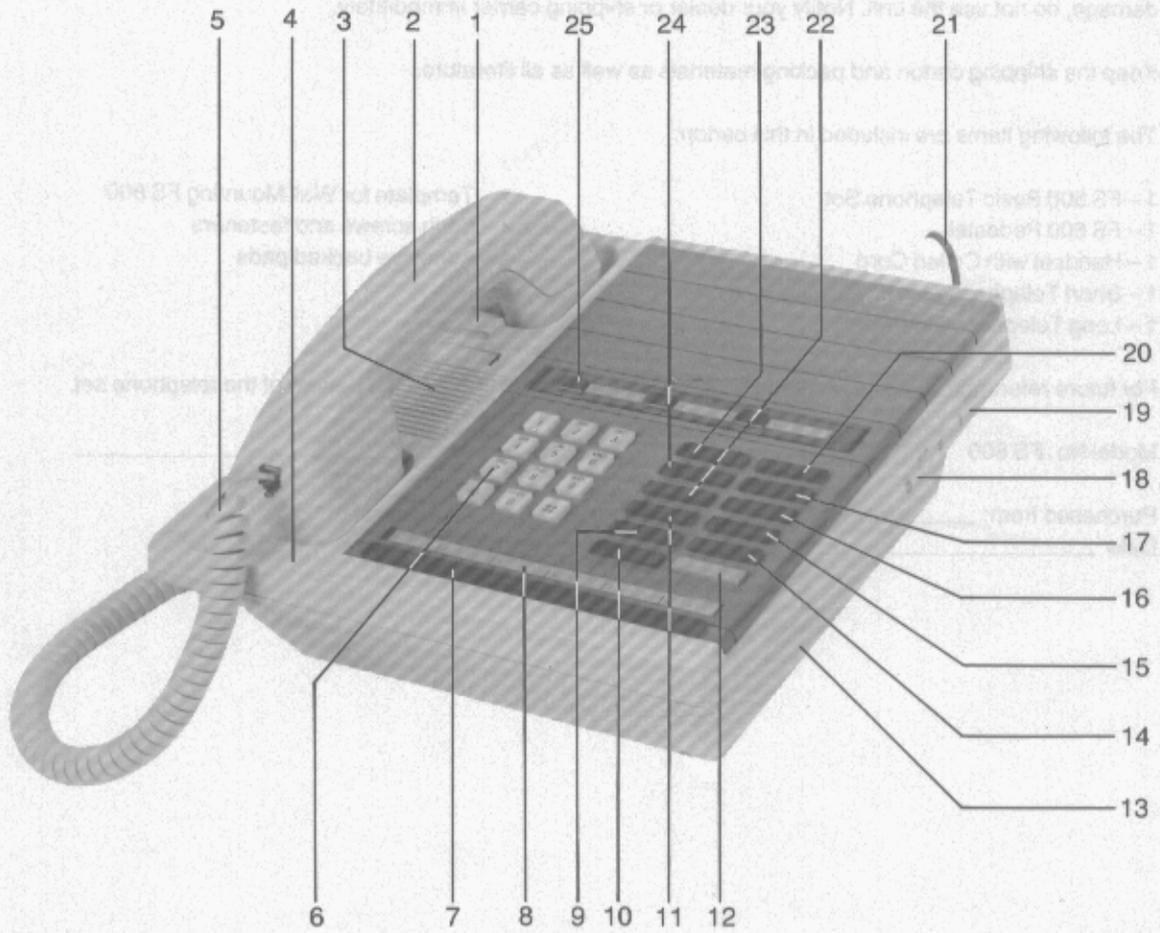
For future reference, write in the Serial Number below. You will find it on the bottom of the telephone set.

Model No. FS 800 Serial No. _____

Purchased from: _____

Date _____

Carefully remove the BASIC Key Telephone set and its accessories from the shipping carton. There is only slight damage to the walls of the shipping carton. Do not attempt to remove the set until you are ready to unpack it.



FUNCTION OF CONTROLS

LOCATION OF CONTROLS

A. SPEED DIAL KEYS

1. Enables station user to store frequently dialed numbers and to call them by pressing one key.

B. DIAL KEYS

1. Used in routine dialing of an intercom number or an OUTSIDE Line.
2. The * key is used in programming your FS 800 Basic Key Telephone Set.
3. The # key is used for intercom paging.

C. FEATURE KEYS

1. INTERCOM
 - A. Used to make a call to another station within the immediate system.
2. MUTE/DND
 - A. MUTE—Silences microphone during conversation.
 - B. DND—Prevents sound of INTERCOM ringing and reduces the level of OUTSIDE Line ringing.
3. CONFERENCE
 - A. Provides Keypad user with the ability to hold a 3 party conversation.
4. CALL WAITING
 - A. Enables Keypad user to place a CALL WAITING message at another compatible station.
 - B. Is used to answer a CALL WAITING message.
5. CALL TRANS./NRS
 - A. CALL TRANS.
 1. Used to transfer a call from your station to another.
 - B. NRS—NIGHT RING SERVICE
 1. System can be programmed to select those stations that will receive incoming calls after hours.
6. MONITOR
 - A. Allows you to hear the person calling on either INTERCOM or OUTSIDE Line before you go OFF-HOOK.
 - B. Used to place, answer, or terminate an INTERCOM call.
7. SPEED/STORE
 - A. Allows station user to speed dial a number on an OUTSIDE Line.
8. AUTO REDIAL
 - A. Permits automatic redialing of a busy or unanswered OUTSIDE Line.
 - B. Permits continuous automatic redialing of a busy or unanswered OUTSIDE Line.
9. FLASH
 - A. This feature allows you to send a timed hookflash according to PBX or PABX telephone switching equipment specifications, or to release a call and re-establish dial tone.
10. PRIVACY
 - A. Programmable privacy feature on OUTSIDE Lines. This causes the OUTSIDE Line being used to be unavailable to other stations in the system.
11. TONE/PAUSE
 - A. Enables station user to change from pulse dialing to tone dialing if so required by the distant number.
12. HOLD
 - A. Permits station user to put current conversation on hold while dialing another number or receiving a call.

D. OUTSIDE LINE KEYS

1. Used for routine or Speed Dialing of an OUTSIDE Line.
2. Used for receiving an OUTSIDE call.

E. FOR OPERATION OF STATION CONTROLS, REFER TO SECTION ENTITLED "FEATURES AND OPERATION"

INSTALLATION OF BASIC KEY TELEPHONE SET

INTO DRY WALL OR PLASTER

Locate a wall stud, if you can. Install the screws (provided) through the template into the wall stud. Leave 3/16" of the screw exposed to mount the pedestal. (Figure 2)

If it is not possible to utilize a wall stud, use a dry wall expander or similar type fastener. Consult your local hardware store for information.

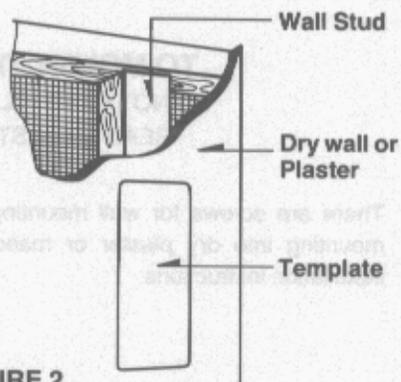


FIGURE 2

INTO WOOD

Use the screws enclosed and install them leaving 3/16" of the screw exposed to mount the pedestal. (Figure 3)

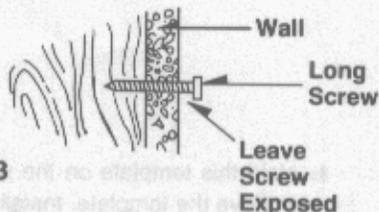


FIGURE 3

INTO MASONRY

Use a 7/32" masonry drill bit and drill two holes. Insert the two plastic anchors and install the two screws leaving 3/16" exposed to mount the pedestal. (Figure 4)

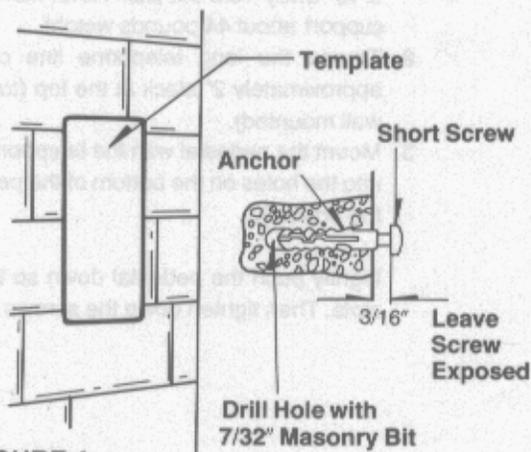


FIGURE 4

ADDITIONAL COPY OF TEMPLATE INCLUDED IN PACKAGE

TO MOUNT THE STATION ON THE WALL

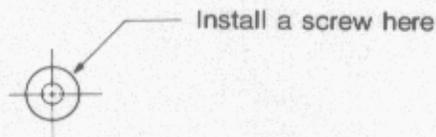
**DO NOT ASSEMBLE THE PEDESTAL TO THE STATION
READ ALL INSTRUCTIONS BEFORE INSTALLING.**

There are screws for wall mounting supplied. Make certain to use the correct screws for mounting into dry plaster or masonry walls. Consult the Owner's Manual for hardware installation instructions.



1. Hold this template on the wall and mark the screw locations. After the marks are made, remove the template. Install the screws into the wall with the screw head approximately 3/16" away from the wall. Note: Make certain the installed screws and wall are able to support about 44 pounds weight.
2. Thread the long telephone line cord supplied through the pedestal groove, leaving approximately 2" slack at the top (to install into the Jack at the top of the station when it is wall mounted).
3. Mount the pedestal with the telephone line cord in the groove so that the screw heads insert into the holes on the bottom of the pedestal (the deeper portion of the pedestal should be on the bottom).

Lightly push the pedestal down so the body of each screw will be securely latched in the slots. Then tighten down the screws until the pedestal is mounted securely.



4. Put the station against the pedestal, about 1" above the bottom edge and slowly slide down until the station locks on the pedestal tabs.
5. Insert the plug of the small piece of telephone line cord on the top, into the Jack on the top of the station, making sure the extended spring of the plug faces the wall.
6. To complete station installation, refer to FS 246 Installation and Operation Manual.

FOR DESK OR TABLE USE

This unit is also designed for desk or table use. If you desire an increased viewing angle, attach the wall mounting pedestal on to your station. Simply reverse the pedestal so that the deeper end is at the top of the phone. Push down on the top of the pedestal until the station locks on the pedestal tabs. You may want to place 4 adhesive backed pads (INCLUDED) on the bottom of your pedestal to keep your station from sliding on the desk.

SEE FIGURE 5 BELOW

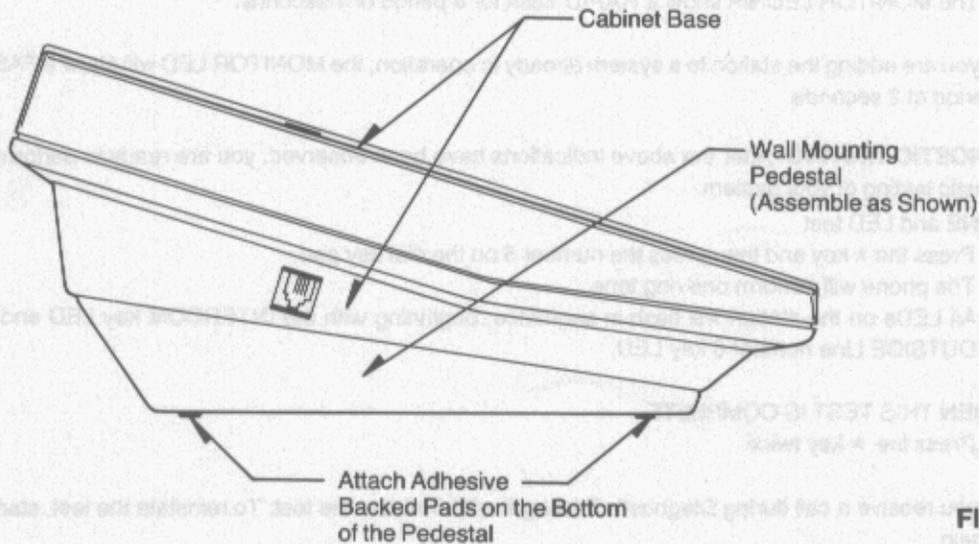


FIGURE 5

If you have selected Wall Mounting, then the handset hanger must be in the "UP" position for the handset to hang securely in the cradle.

To set the hanger, pull it up and rotate it 1/2 turn and drop it into the recess again.

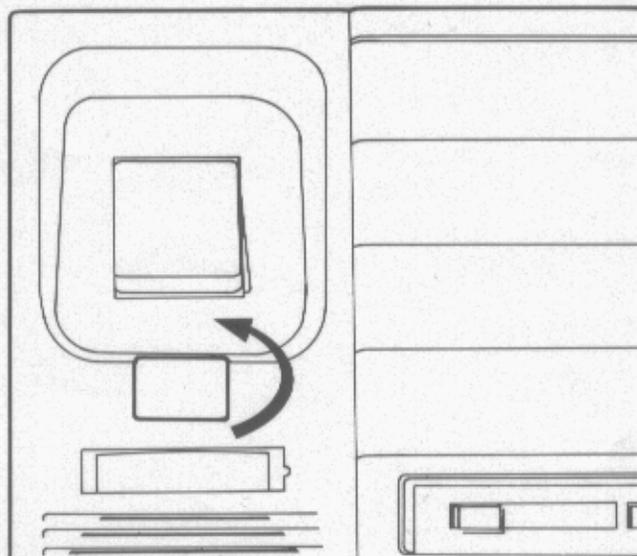


FIGURE 6

CHECKING YOUR SYSTEM—DIAGNOSTIC TESTING

A. INITIAL OPERATION

NOTE: After you have completed the installation of your station, it is recommended that you read and perform the following sequence of diagnostic tests to ensure that your system is fully operational.

1. Upon plugging the KSU power supply into the outlet, you should observe the following indications if your system is properly connected:
 - a. The MONITOR LED will show a RAPID flash for a period of 4 seconds.

NOTE: If you are adding the station to a system already in operation, the MONITOR LED will show a FAST flash for a period of 2 seconds.

B. DIAGNOSTIC TESTING—After the above indications have been observed, you are ready to perform the diagnostic testing of your system.

1. TONE and LED test
 - a. Press the * key and then press the number 5 on the dial key pad.
 - b. The phone will perform one ring tone.
 - c. All LEDs on the station will flash in sequence, beginning with the INTERCOM key LED and ending with OUTSIDE Line number 6 key LED.
2. WHEN THIS TEST IS COMPLETE
 - a. Press the * key twice.

NOTE: If you receive a call during Diagnostic Testing, it will terminate the test. To reinstate the test, start with B1 again.



FIGURE 1

NOTE: THIS STATION GIVES YOU THE OPPORTUNITY, BY PRESSING THE MONITOR KEY, TO HEAR THE PARTY CALLING ON EITHER INTERCOM OR OUTSIDE CALLS. IF YOU WANT TO CONVERSE, LIFT THE HANDSET.

FEATURES AND OPERATION

INTERCOM

HOW TO USE INTERCOM

A. TO MAKE AN INTERCOM CALL

1. Press INTERCOM or MONITOR key. The INTERCOM LED will show a SLOW flash. The MONITOR LED will be ON steady. You will hear dial tone.
— OR —
2. Lift handset. You will get the same results as above, except the MONITOR LED will go OFF. If you do not begin to dial within 10 seconds, you will get a busy tone. INTERCOM LED will be OFF.
3. Dial the station number (from 20 to 35) or press one of the three SPEED DIAL keys for the station you are calling.
 - a. If the called station is not busy after dialing is complete you will hear ringing signal.
 - b. If the called station is busy after dialing is complete you will hear a busy tone.
 - c. If you have used the MONITER function, then now lift the handset to talk.

B. TO ANSWER AN INTERCOM CALL

1. INTERCOM LED will show a FAST flash.
2. You will hear either a ringing signal or a beep tone and voice.
3. Press MONITOR key (hands free listening only, MONITOR LED will be ON)

— OR —

Lift the handset and converse.

4. The INTERCOM LED will show SLOW flashing.

C. TO TERMINATE AN INTERCOM CALL

1. Hang up the handset or press the MONITOR key, the LED will be off.

D. TO RELEASE A CALL AND RE-ESTABLISH A DIAL TONE

1. Press INTERCOM key.

DND MODE (DO NOT DISTURB)

This feature allows a keyset user to prevent the sound of INTERCOM ringing and to reduce the level of OUTSIDE LINE ringing.

While calling, via INTERCOM, a station in DND MODE, the caller will get a busy tone.

Placing a station in DND MODE does not prevent the station user from making a call.

A. TO ACTIVATE DND MODE (STATION NOT IN USE)

1. Press the MUTE/DND key.
 - a. The MUTE/DND LED will go ON.

B. TO CANCEL DND MODE

1. Press the MUTE/DND key again.
 - a. The MUTE/DND LED will go off.

MUTE (OFF HOOK ONLY)

This feature gives you the ability to converse privately with those close to you without the party on the other end of the line hearing these conversations.

A. TO USE MUTE MODE

1. Press MUTE/DND key.
 - a. The MUTE/DND LED will show rapid flash.

B. TO RELEASE MUTE MODE

1. Press MUTE/DND key again.
 - a. The MUTE/DND LED will go OFF.

CONFERENCE (THREE PARTY CONVERSATION)

1. Call one party on INTERCOM.
2. Press CONFERENCE key.
3. Call second party on INTERCOM.
4. Press CONFERENCE key.

NOTE: To leave the two other parties talking, hang up.

CALL WAITING

You may receive a CALL WAITING signal while on another call.

Your CALL WAITING LED will show a RAPID flashing, and you will hear a beep tone.

A. TO PLACE A CALL WAITING SIGNAL (Used only in INTERCOM MODE)

1. Press MONITOR, or INTERCOM key, or lift handset.
2. Call the station you want.

IF THE NUMBER IS BUSY OR NOT ANSWERING, THEN:

WHEN USING MONITOR

1. Press the CALL WAITING key. You will hear a beep tone.
2. Press the MONITOR key and wait for the station called to call back.

IF USING THE HANDSET

1. Press the CALL WAITING key. You will hear a beep tone.
2. Hang the handset up.

B. TO ANSWER A CALL WAITING SIGNAL

There are two ways to answer a CALL WAITING SIGNAL.

1. ON-HOOK-Phone is not in use.
Press MONITOR, or INTERCOM key or lift the handset and then press the CALL WAITING key.
2. OFF-HOOK-Phone is in use.
Press CALL WAITING key.
 - a. If you were on an OUTSIDE LINE call, the OUTSIDE LINE will be automatically placed on UNIVERSAL HOLD when you answer the CALL WAITING signal.
 - b. You will hear a ringing. The OUTSIDE Line number LED will show a RAPID flash.
 - c. After the conversation is completed, hang up the handset. If you wish to return to OUTSIDE Line press OUTSIDE Line key.

PAGING

This feature allows a keyset user to make announcements to all stations in the system, except busy stations.

A. TO PAGE ALL STATIONS IN THE SYSTEM

1. Lift the handset.
 - a. INTERCOM LED will show INTERMITTENT flash.
 - b. MONITOR LED will be ON.
 - c. You will hear a dial tone.
2. Press # key on DIAL key pad.
3. Make your announcement.
4. Hang up.

OUTSIDE LINES

CALL WAITING

OUTSIDE LINE CALLS

A. TO MAKE AN OUTSIDE CALL

1. Press an unlit OUTSIDE Line key (Green LED will show INTERMITTENT flash) (MONITOR LED is ON steady).
2. Dial the number.
3. Pick up the handset to converse.

B. TO RECEIVE AN OUTSIDE CALL

1. Press the OUTSIDE Line key (Green LED will show SLOW flash).
2. Pick up the handset and converse.

SPEED DIAL

1. Press an unlit OUTSIDE Line key (Green LED will show INTERMITTENT flash) (MONITOR LED is ON steady).
2. Press the SPEED DIAL key, where the number is stored (or press the SPEED/STORE Key and dial the 2 digit number (10-49) representing the OUTSIDE telephone number you want.)
3. Pick up the handset to converse.

NOTE: Keep a record of these numbers in the USER'S GUIDE for reference.

FLASH

1. When you need to terminate an OUTSIDE Line connection and to start another call, press the FLASH key for a new connection.
2. When the Key System is connected behind a PBX, press FLASH to signal the PBX.

Flash timing is programmed at the Master station, (number 20) and applied for all OUTSIDE Lines at each station. To use this feature do not put the handset in the cradle after you have completed a call. Instead press the FLASH key and make your next call.

PRIVACY

When PRIVACY is on, no other station can join in on the same OUTSIDE Line.
Private or non-private KSU programmed status can be changed individually by each station for each OUTSIDE Line.
During an OUTSIDE Line call:

1. If PRIVACY LED is ON, PRIVACY is ON.
2. If PRIVACY LED is OFF, PRIVACY is OFF.

During conversation, press PRIVACY button for the status you want.

When Privacy is ON, no other station can connect to the OUTSIDE Line that you are on.

TONE/PAUSE

A. WHEN IN PULSE DIALING MODE

If you dial an OUTSIDE number on the DIAL keys, pressing the TONE/PAUSE key will activate TONE dialing.

B. PROGRAMMING LONG DISTANCE NUMBER

When programming a long distance number into a SPEED DIAL location, press the TONE/PAUSE key to insert a tone detection pause prior to activating or continuing TONE dialing.

HOLD

A. THERE ARE TWO (2) KINDS OF HOLD

1. UNIVERSAL—Press the HOLD key once.
HOLD can be released by any station.
2. EXCLUSIVE—Press the HOLD key twice. HOLD can be released only by station that put the call on HOLD.

NOTE: After you put a call on HOLD, if you hang up the handset, and do not use your telephone, the Line will be disconnected automatically after 3 to 5 minutes. If you do not hang up the handset, the call will stay on HOLD indefinitely.

B. TO RELEASE HOLD

Press the OUTSIDE Line key the call is on.

CALL TRANSFER

A. TO TRANSFER AN OUTSIDE CALL FROM YOUR STATION TO ANOTHER

1. Press CALL TRANS. /NRS key.
2. Dial the station to receive the call.

You can either hang up or wait for the station to answer, then hang up.

B. IF YOU GET A BUSY SIGNAL

1. Press CALL TRANS./NRS Key and tell the outside party that there's a call in progress.

C. IF THE PARTY WANTS TO WAIT

1. Press the CALL TRANS/NRS key again.
2. Dial the station number once more and if it is still busy, press the CALL WAITING key and the caller can wait to be connected.

LAST NUMBER REDIAL

TO REDIAL THE LAST TELEPHONE NUMBER YOU CALLED

1. Press an unlit OUTSIDE Line key (green LED will flash.)
2. Press AUTO REDIAL key.

AUTO REDIAL

IF THE PARTY YOU WANT TO REACH IS BUSY AND YOU WISH TO CONTINUE REDIALING

1. Press AUTO REDIAL key (LED will flash).
2. Hang up.

NOTE: AUTO REDIAL will automatically be terminated when:

- a. The line is no longer busy.
- b. If you use the station for other functions.
- c. The number has been redialed 15 times.
- d. When you receive or make an INTERCOM call.
- e. If incoming call is received on the same line.

The AUTO REDIAL function will redial the called number up to fifteen times at intervals of about one minute. During dialing periods, the MONITOR will be activated so that you will hear the dialing, the ringing and any response. If the line is still busy your station will shut down for a quiet period of approximately 45 seconds. If the called party answers, pick up the handset to converse.

NOTE: Other stations can not access the OUTSIDE Line on which the AUTO-REDIAL is in operation. If the DND key is pressed, no INTERCOM call will ring at your station.

CONFERENCE (THREE PARTY CONVERSATION)

A. TO SPEAK WITH ONE OUTSIDE AND ONE INTERCOM PARTY

1. You must contact your OUTSIDE Line party first.
2. Press the CONFERENCE key.
3. Contact your INTERCOM party.
4. Press the CONFERENCE key.
To leave the two other parties talking, hang up.

B. TO SPEAK WITH TWO OUTSIDE PARTIES

1. Contact one OUTSIDE party.
2. Press the CONFERENCE key.
3. Contact the other OUTSIDE party.
4. Press the CONFERENCE key.

If you want to speak with one OUTSIDE party only, press that OUTSIDE Line key and the other OUTSIDE party will be released. When you hang up, the call will be terminated.

NRS – Night Ring Service

Your station can be programmed by the Master station to receive outside calls at night. Check with the System programmer to determine if your station will respond to night rings.

If the CALL TRANS./NRS LED is on, this indicates that the System Night Ring Service has been activated.

STATION PROGRAMMING

ALL PROGRAMMING SHOULD BE MADE WITH THE HANDSET IN THE CRADLE (THE STATION IS NOT IN USE)

NOTE: SHOULD YOU MAKE AN ERROR WHILE PROGRAMMING YOUR KEYSSET, YOU WILL HEAR FOUR BEEP TONES.

DSS (DIRECT STATION SELECTION)

Select INTERCOM numbers that you wish to program:

1. Press * key.
2. Press the SPEED DIAL key (1, 2 or 3).
3. Dial Station number on DIAL Keys.
4. Press * key.
5. Repeat Steps 1 to 4 for the other two SPEED DIAL keys.
6. Be sure to record the number and the SPEED DIAL key where it is stored in the USER'S GUIDE chart.

STORE AN OUTSIDE NUMBER

Select OUTSIDE numbers that you wish to program:

1. Press the SPEED/STORE key.
2. Press the SPEED DIAL key (1, 2 or 3).
3. Dial OUTSIDE number on DIAL Keys.
4. Press SPEED/STORE key.
5. Repeat Steps 1 to 4 for the other two SPEED DIAL keys.
6. Be sure to record the number and the SPEED DIAL key where it is stored in the USER'S GUIDE chart.

NOTE: Both an INTERCOM and OUTSIDE number can be stored in each key.

AUTO-ANSWER MODE

Each individual station has the option of having INTERCOM calls introduced to that station by either a ring signal or a (automatic MONITOR activation).

1. To change mode, press * key.
2. For AUTO-ANSWER mode, dial Number 11 on the DIAL Keys.
3. For a ring signal, dial number 10 on the DIAL Keys.
4. Press * key again.

FS 800 FUNCTION LED STATUS

FUNCTION	STEADY OFF	STEADY ON	RAPID FLASH 480 IPM	INTER-MITTENT FLASH (2 SEC ON, ½ SEC OFF)	SLOW FLASH 60 IPM	INTER-MITTENT RAPID FLASH (½ SEC ON, ½ SEC OFF)
INTERCOM	UNUSED	ALL 5 INTERCOM PATHS BUSY	RINGING AT YOUR STATION	YOU ARE USING INTERCOM PATH		
MUTE/DND	UNUSED	IN DND MODE	WHEN MUTED			
CALL WAITING	UNUSED		CALL WAITING MESSAGE			
CALL TRANS./NRS	UNUSED	SYSTEM IS IN NIGHT RING MODE				
MONITOR	UNUSED	WHEN MONITOR IS IN USE	NO DATA COMMUNICATION BETWEEN KSU AND THE STATION			
AUTO REDIAL	UNUSED	AUTO REDIAL IS ACTIVE			BETWEEN ACTIVE STAGES OF AUTO REDIAL	
PRIVACY	UNUSED	PRIVACY MODE IN EFFECT				
CO LINE	UNUSED	IS IN USE IN THE SYSTEM	UNIVERSAL HOLD	YOUR STATION IS USING THIS LINE	RING SIGNAL	EXCLUSIVE HOLD

RING & TONES

TONE/SIGNAL

Timed in seconds:
1 on, 3 off continuously

Timed in seconds:
1 on, 2 off continuously

4 Beep tones

2 Beep tones

Intermittent beep tones

Fast beep tones

Program confirmation tone
(1 beep tone)

Program error tone
(4 beep tones)

Dial tone
(Continuous tone)

Call waiting tone
(4 beep tones)

INDICATION

You are receiving
an **OUTSIDE** call.

You are receiving
an **INTERCOM** call.

You are receiving a **PAGE** signal.

Incoming **INTERCOM** call in auto answer mode.

Busy or **DO NOT DISTURB** station.

The station you are trying to reach is not installed.
The number you are dialing does not exist.
The cartridge for the C.O. line you are trying to use
is not installed.

In programming mode, indicates successful
completion of a program

In programming mode, indicates an error in
programming.

You are in **INTERCOM** mode.

You have placed a **CALL WAITING**.
There is a **CALL WAITING** placed at your station.

PROBLEMS AND SOLUTIONS

A. TRIAL TESTING YOUR BASIC STATION

1. After turning power on and connecting the station to the system the MONITOR key LED continues to flash at a RAPID rate if data communications is not available between the KSU and the station. If the communication is accomplished, the MONITOR key LED will stop flashing within 1 (one) second.
2. A confirmation tone will be heard every time a key button is pressed.
3. The following key sequence also enables user or installer to test ring, LED and key availability.
 - a. Press * key while on-hook.
 - b. Press dial key button 5.
 - After ringing, each LED on the station flashes at a RAPID rate. It takes approximately 7 seconds for the 13 key LED's to finish flashing (LED test).
 - c. After all LED's flash in order, the station automatically enters into key test mode.
 - A confirmation tone is heard each time a key button is pressed.
 - d. Press * key twice to end diagnostic mode.
4. To make a trial OUTSIDE call
 - a. Lift the handset
 - b. After receiving a dial tone, press the key of an OUTSIDE Line accessible to that extension
 - c. Dial a number
5. To make a trial intercom call
 - a. Lift the handset
 - b. After receiving a dial tone, dial the number of a valid extension you want to call

PROBLEM

NO OUTSIDE LINE OR INTERCOM STATION, OR CANNOT DIAL OUT.

Possible Causes

Faulty plug, line, or jack. Wrong switch

Solutions

Make sure all connections (station to jack, jack to KSU, KSU to extensions) are secure and properly routed. Make sure that switches 1-8 on KSU are set to be compatible with type of service you are provided with by the phone company. (Pulse or DTMF dialing)

PROBLEM

NO INCOMING OR OUTGOING CALLS TO AN EXTENSION.

Possible Causes

Faulty or unsecure line from station to KSU.

Solutions

Check all plugs, lines, and jacks from station to KSU.

PROBLEM

UNABLE TO CONTACT ONE OR MORE OUTSIDE LINE IN SPEED DIAL MODE.

Probable Causes

Error in programming

Solutions

Re-program desired numbers into SPEED DIAL (refer to section entitled PROGRAMMING)

PROBLEM

ONE OR MORE OF THE REMAINING PROGRAMMABLE FEATURES DOES NOT WORK.

Probable Causes

Error in programming

Solutions

Re-program features that are not operating (refer to section entitled PROGRAMMING)

CARE AND MAINTENANCE

Locate your station safely. Place it on a solid flat surface where its cord will be out of the way and where it is not likely to be knocked to the floor.

To clean, use a soft cloth, dampened in a mild detergent. Never use abrasives or solvents and never spray cleaners directly onto the station.

REPAIR SERVICE

If you continue to have problems, disconnect your station, package it carefully and ship it prepaid and insured (for your protection) to:

SOUTHWESTERN BELL TELECOMMUNICATIONS, INC.
FREEDOM PHONE DIVISION
7442, Shadeland Station Way
Indianapolis, IN 46256-3925

BE SURE TO INCLUDE YOUR NAME AND ADDRESS.

LIMITED WARRANTY

This Freedom Phone is warranted to the original consumer purchaser to be free from defects in materials and workmanship under normal installation, use and service for a period of one (1) year from the date of purchase as shown on the purchaser's receipt.

The obligation of Southwestern Bell Telecommunications, Inc., Freedom Phone Division, under this warranty shall be limited to repair or replacement (at our option), during the warranty period of any part which proves defective in material or workmanship under normal installation, use and service, provided the product is returned to Southwestern Bell Telecommunications, Inc., Freedom Phone Division (address below) or to one of our authorized Service Centers TRANSPORTATION CHARGES PREPAID. Products returned to us or to an authorized Service Center must be accompanied by a copy of the purchase receipt. In the absence of such purchase receipt, the warranty period shall be one (1) year from the date of manufacture.

This warranty shall be invalid if the product is damaged as a result of defacement, misuse, abuse, neglect, accident, destruction or alteration of the serial number, improper electrical voltages or currents, repair, alteration or maintenance by any person or party other than our own service facility or an authorized Service Center, or any use violative of instructions furnished by us.

This one year warranty is in lieu of all other expressed warranties, obligations or liabilities. ANY IMPLIED WARRANTIES, OBLIGATIONS, OR LIABILITIES, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL BE LIMITED IN DURATION TO THE ONE YEAR DURATION OF THIS WRITTEN LIMITED WARRANTY. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

IN NO EVENT SHALL WE BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, WHATSOEVER. Some states do not allow the exclusion or limitation of special, incidental or consequential damages so the above limitation or exclusion may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

SOUTHWESTERN BELL TELECOMMUNICATIONS, INC.
FREEDOM PHONE DIVISION
7442 Shadeland Station Way
Indianapolis, IN 46256-3925

ADDENDUM TO OWNER'S MANUAL

MODELS FS 800, FS 900, FS 246

SEE OWNER'S MANUAL, OUTSIDE LINES - TONE/PAUSE
(FS 800-P15;FS 900-P17)

SEE PROGRAM #2 SYSTEM SPEED DIAL IN INSTALLATION AND
OPERATION MANUAL, PAGE 28.

TO STORE A PHONE NUMBER USING A PAUSE
(MCI, SPRINT, PROVIDE A DELAY FOR PBX, ETC.):

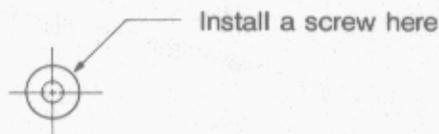
1. Press SPEED/STORE key;
(If using FS 900, display will show "S DIAL").
2. Press the SPEED DIAL key
(FS 800, 1 thru 3; FS 900, 1 thru 16; System
Speed Dial (Master Station), enter 2-digit
code).
3. Dial the numbers before the PAUSE.
4. Press PAUSE. This inserts a tone detection pause
and changes dialing to TONE from PULSE
(or continues in tone).
5. Press # key and dial the remaining numbers.
6. Press SPEED/STORE KEY.
7. Repeat steps 1 to 6 for any remaining SPEED DIAL
numbers requiring PAUSE.
8. Be sure to record the number you stored and the
location it is stored in.

WHEN INSTALLED, THE TOP OF YOUR STATION WILL BE HERE

TO MOUNT THE STATION ON THE WALL

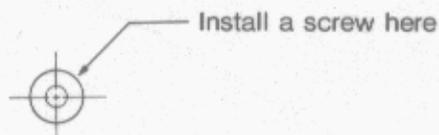
**DO NOT ASSEMBLE THE PEDESTAL TO THE STATION
READ ALL INSTRUCTIONS BEFORE INSTALLING.**

There are screws for wall mounting supplied. Make certain to use the correct screws for mounting into dry plaster or masonry walls. Consult the Owner's Manual for hardware installation instructions.



1. Hold this template on the wall and mark the screw locations. After the marks are made, remove the template. Install the screws into the wall with the screw head approximately 3/16" away from the wall. Note: Make certain the installed screws and wall are able to support about 44 pounds weight.
2. Thread the long telephone line cord supplied through the pedestal groove, leaving approximately 2" slack at the top (to install into the Jack at the top of the station when it is wall mounted).
3. Mount the pedestal with the telephone line cord in the groove so that the screw heads insert into the holes on the bottom of the pedestal (the deeper portion of the pedestal should be on the bottom).

Lightly push the pedestal down so the body of each screw will be securely latched in the slots. Then tighten down the screws until the pedestal is mounted securely.



4. Put the station against the pedestal, about 1" above the bottom edge and slowly slide down until the station locks on the pedestal tabs.
5. Insert the plug of the small piece of telephone line cord on the top, into the Jack on the top of the station, making sure the extended spring of the plug faces the wall.
6. To complete station installation, refer to FS 246 Installation and Operation Manual.