FUjiTSU

SRS-1050

FOR

NATIONAL ISDN
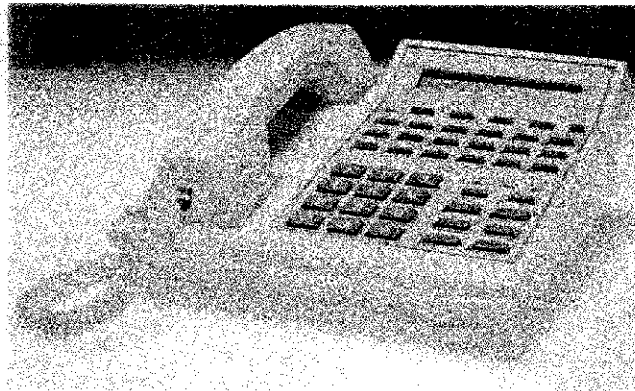
QUICK

SET-UP

GUIDE

This card is intended as a quick reference. For additional information, see the SRS-1050 Digital Set User's Guide.

SRS-1050 NI
QUICK SET-UP GUIDE

INSTALLATION

These instructions are intended mainly for use by service personnel or end users who are installing the SRS-1050. Additional information may be found in the SRS-1050 User's Guide.

Installation of the SRS-1050 involves four main steps:
1. Connecting the set to the network.
   It is necessary to determine the type of Telephone Company switching equipment serving your business for proper connection to the Telephone Company network. This information is needed because of differences in the implementation procedures. The DMS-100 is the switch provided by Nortel; the 5ESS is the switch provided by Lucent and the EWSD is the switch provided by SSC.
2. Entering Service Profile Identifiers (SPIDs) and a D-channel Terminal Endpoint Identifier (TEI) for packet switched data calls, if required.
3. Downloading Network Information: this step is used if you are on a 5E NI-2 or an EWSD that supports parameter downloading or on a DMS-100 switch that supports SPM. In either case, you can modify the network data as desired. If you are on a 5E NI-1 or a DMS-100 that does not support SPM, it is necessary to load the network data into your set. This process is outlined below.
4. Programming and labeling the set.

NOTE:
If your service provider modifies a set's Directory Number and feature assignments, you must update your set configuration. On a 5E NI-2 or an EWSD, the set will request a download when the switch notifies it of a service change. This process may require that you change labels on the set. On a DMS-100 switch that supports SPM, you can update your set configuration simply by disconnecting and reconnecting power. Then change the labels ont he set, if necessary.

CONNECTING TO THE NETWORK

When you receive your SRS-1050, plug the telephone line from the wall into the LINE socket on the back of the set. If the display shows a date and time, you have power. If the display does not light up, you need a power supply to connect to the wall socket and to the 40V DC power socket on the back of the set. Please review the illustration on the reverse for more information on the equipment needed for an ISDN installation.

If you are connecting power for the first time, you may see the message SPID NG. See the next section to enter a Service Profile Identifier (SPID).

ENTERING SPIDS AND A D-CHANNEL TEI

The Service Profile Identifier (SPID) identifies your set to the network. If you have the data model, you may need two SPIDs, one for voice and one for B-channel circuit-switched data. You may also need to enter a D-channel Terminal Endpoint Identifier (TEI) for packet-switched data calls. You can enter the data SPID and TEI either through this procedure or through procedures in the SRS-1050/2100 Data User's Guide.

NOTE:
The DMS-100 switch limits a passive bus to two B-channel devices. If you enter both a voice and a data SPID, the switch reserves both available B-channels for the one digital set. Therefore, you cannot connect another digital set to the same passive bus.

Do not change your SPID unless told to do so by your service provider. In most cases, digital sets will not work without the correct SPID number. If the SPID number is wrong, the set displays the message SPID. NG. Enter the correct SPID number.

NOTE:
Some of the data entry displays have built-in timers. If you do not enter information within 6 seconds, the display reverts to the menu for selecting the feature you were setting up. You must reselect the feature and start again.

To enter the service profile identifiers and the terminal endpoint identifier, you use the softkeys and the key pad on the SRS-1050. Softkeys are the four keys directly under the display. Press Service, then Register, to find their function. Follow these steps:

```
ENTER VOICE SPID
ID = 000000000000
```
1. Press REG (softkey 4), 8 (on the key pad), ENTER (softkey 1). The message ENTER VOICE SPID appears, with the current SPID number (if any) shown below it.

```
ENTER DATA SPID
ID =
```
2. Dial your voice SPID number and press ENTER. Then the display prompts for the data SPID, if you have a data model.

```
ENTER PACKET TEI
ID =
```
3. Dial your data SPID number and press ENTER. If you do not have a data model, just press ENTER. To cancel a data SPID, press CLEAR (softkey 3) and then press ENTER. The display prompts for the D-channel TEI.

```
SPID/TEI ASSIGNMENT
COMPLETED
```
4. Dial your TEI (valid numbers are from 0 to 63) and press ENTER. If you have no data terminal adapter installed, just press ENTER. This screen appears:

Press REG to return to normal operations.

LOADING OR MODIFYING NETWORK DATA
This section explains how to use the KEY-ATTR feature in menu mode to load or modify network data. You must load network data with KEY-ATTR if the set is connected to a switch that does not support the terminal downloading function.

If the switch has downloaded network data automatically, you can use these procedures to modify the set configuration to conform to your personal preferences. In these procedures you select a button on your SRS-1050 and assign the button a Directory Number, Call Appearance number, Intercom or Group Intercom number, or a Feature number recognized by the network. When you press the button for a Directory Number or a Call Appearance, the phone sends the necessary signals to initiate or answer a call. When you press the button for a Feature, the phone sends the Feature's number, which causes the network to activate or deactivate the Feature.

CONFIGURATION TYPES: EKTS and CACH
National ISDN-1 (NI-1) supports two configurations on multiple line sets. The configurations are Electronic Key Telephone Systems (EKTS) and Call Appearance Call Handling (CACH). If SPM has downloaded network data, you need to know which configuration is used so that you can modify the configuration if you wish. Additionally, you must know which configuration is used if you are entering network data manually.

EKTS, ACO/AFC uses Directory Numbers for telephone lines and feature numbers for features. You enter these numbers with options 2 and 3 of KEY-ATTR.

CACH uses Call Appearances for telephone numbers and Feature numbers for Features. You enter these numbers with options 1 and 2 of KEY-ATTR. Items 4 and 5 of KEY-ATTR are used to assign network provided intercom feature buttons, group intercom feature buttons (item 4) and conference capability (item 5).

KEY-ATTR Procedures
Before attempting to load or modify network data, obtain the current configuration from your service provider. This configuration information should show the Directory Numbers/Call Appearances, the Features (with their Feature numbers), the Intercom/Group Intercom (ICM/GIC) numbers and the SRS-2100 button to which each Directory Number/Call Appearance or feature is assigned. Then plan the configuration you prefer. Use the procedures that follow to add, cancel, or change configuration assignments as needed.

Button assignments fall into three categories: Directory Numbers, Call Appearances, and Features. If you plan to change a button assignment from one category to another, you must first cancel the current assignment and then add the new assignment. For changes within a category, you can simply replace the old data with the new data. If the key is not going to be reused, it is necessary to clear (softkey 3) the old data.

CAUTION:

If you manually reassign the CONFERENCE button, autohold will not work in all cases. If you wish to reassign this button, talk to your System Administrator or service provider. You will also have to utilize item 5 of the KEY-ATTR, CONFERENCE, to assign a new conference button.

To load, modify, or update your set's network data, begin with these steps:

```
KEY ATTRIBUTE MODE
```
1. Press REG (softkey 4), 10, ENTER (softkey 1). This screen appears:

```
1: CA      2: FA
3: DN      :SELECT 1-5
```
2. Press ENTER again to display the key attribute main menu. This screen appears:

The menu items serve these functions:

1. Assigns buttons to Call Appearances in CACH.
2. Assigns buttons to network-provided features in both CACH and EKTS.
3. Assigns buttons to Directory Numbers in EKTS, AFC, and ACO.

If you press the NEXT key (softkey 2), menu item 5 will be shown.

```
4: ICM/CIG      5: CONF
                :SELECT 1-5
```

4. Assigns buttons to network-provided Intercom and Group Intercom features (the set also provides a local Call Announce Intercom feature).
5. Assigns the network conference feature button.

The following sections explain the procedure for each of these menu selections.

Selection 1: Call Appearance

```
CALL APPEARANCE MODE
SELECT ASSIGN KEY
```
1. Press 1 and ENTER (softkey 1). This screen appears:

The set's indicators show button status as follows:

- *Green* indicates a button already assigned to a Call Appearance.
- *Red* indicates a button already assigned to a DN, to a network feature or to a local feature such as One-touch.
- Unlit indicates an unassigned button.

2. Press the button to which you want to assign a Call Appearance.

You can press any unlit or green multifunction button. If you press a red button, the display shows the message INVALID SELECTION, and the set waits for you to press a valid button.

- If you press a green button, the display shows the current number assigned to that multifunction button. You can either enter a new number to replace the current number or cancel the current number.
- If you press an unlit button, the screen looks like this:

```
CALL APPEARANCE MODE
CA =      (XX)
```
XX is the number of the multifunction button you pressed. If you pressed a green-lit button, the current feature number appears after CA =. The new number you enter replaces this number.

3. You now have two choices:

- To add or change the CA number, enter the new number and then press ENTER.
- To cancel the CA number, press CLEAR (softkey 3) and then press ENTER.

```
CA =      XX
(XX)
```
The final screen looks like this:

If you canceled the CA number, no numbers appear after CA = and the button indicator goes dark.

4. With your Call Appearance assignment complete, you have these choices:

- To assign another CA, press the desired button and repeat steps 2 and 3.
- To return to normal operation, press REG.
- To make additional button assignments, press asterisk (*). This returns you to the main menu.

CAUTION: Do not duplicate CA numbers.

Selection 2: Feature Activator

```
KEY ATTRIBUTE MODE
SELECT ASSIGN KEY
```
1. Press 2 and ENTER. This screen appears:

From this point, you may assign Feature Activators using the same process used for Call Appearances.

Selection 3: Directory Number

Before entering DNs, it is necessary to remove the factory default CA setting on the 1050. Then DNs may be entered.

```
DIRECTORY NUMBER MODE
SELECT ASSIGN KEY
```
1. Enter Key Attributes, press 1, ENTER. The first button, lower left, will light green. This is the factory default CA.
2. Press button 1, then press Clear (softkey 3), ENTER. Press *, 10, ENTER. Or if main menu appears, press 10, ENTER. Press 3, ENTER. This screen appears:

From this point, you may assign Directory Numbers using the same process used for Call Appearances and Feature Activators.

Selection 4: ICM/GIC

```
ICM/GIC MODE
SELECT ASSIGN KEY
```
1. Press 4 and ENTER. This screen appears:

From this point, you may assign Intercom and Group Intercom keys using the same process used for Call Appearances.

Selection 5: CONFERENCE

It is necessary to assign the CONFERENCE feature to a key using a two step process.
1. Assign CONF as you would any feature activator.
2. In the KEY ATTR MODE, select step 5, CONF, and press ENTER. Continue steps outlined in selection 2.

CAUTION:

Please note that unplugging and replugging your ISDN set initiates a download from the DMS and from the 5E NI-2 switch. After either parameter downloading or SPM downloading has been done, if your ISDN set is disconnected or loses power, all call and feature buttons are downloaded again, overriding any changes you have made.
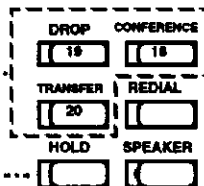
Getting to Know Your
SRS-1050
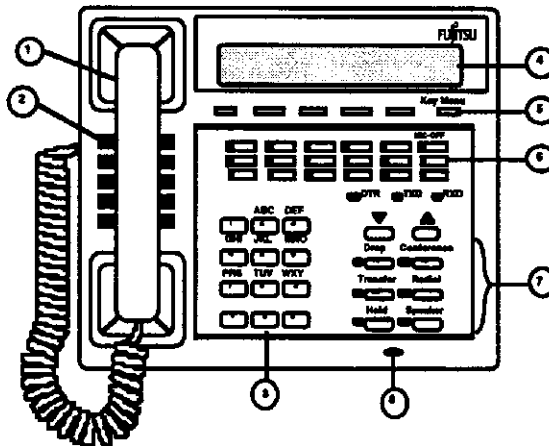
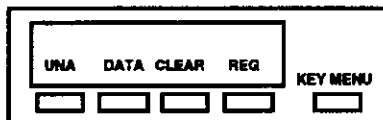|	
1. HANDSET	5. KEY MENU/SOFTKEYS
2. SPEAKER	6. MULTIFUNCTION BUTTONS
3. NUMERIC KEYPAD	7. FUNCTION BUTTONS
4. DISPLAY	8. MICROPHONE

Function Buttons

DATA TERMINAL READY: DTR
TRANSMIT DATA: TXD
RECEIVE DATA: RXD

MIC OFF

MUTES MICROPHONE
OR HANDSET

PRESS SERVICE KEY TO DISPLAY REGISTER KEY

PRESSING REGISTER KEY DISPLAYS MENU OPTIONS