

Neat Stuff

*Maintaining the **Prima LT's** Speed-Dial directory is as easy as taking a picture!*

7 The Speed Dial Directory

The **Prima LT's** powerful Speed Dial directory can hold up to 256 entries, each containing all encoder and decoder configuration parameters and ISDN phone numbers. Alternatively, creating a Speed Dial entry without any phone numbers enables you to quickly configure all encoder and decoder parameters without dialing. These non-dialing entries are called Quick Configurations.

7.1 Creating Speed Dial and Quick Configuration Entries

All Speed Dial and Quick Configuration entries require the following information. The abbreviations are as shown in the **Prima LT's** LCD display.

Description:	Name of the entry, up to 16 characters, spaces are not allowed in the name.
EBR:	Encoder bit rate.
ESR:	Encoder sampling rate. Note: for G.722, only 16 kHz is valid.
EAL:	Encoder algorithm.
EAM:	Encoder algorithm mode. Note: for G.722, only 'M1' is valid.
ELI:	Encoder line format. Note: 2-line formats are valid only with encoder bit rates of 112 and 128 kb/s.
DIN:	Decoder independent operation. Select YES for connecting to other manufacturers' codecs, when using different algorithms or bit rates for send/receive audio, independent mono operation or for any Broadcast mode

The following 3 parameters are required only if decoder independent YES has been selected:

DBR:	Decoder bit rate. Can be different, but must be multiple of encoder bit rate.
DAL:	Decoder algorithm.
DLI:	Decoder line format.

All Speed Dial and Quick Configuration entries require the last parameters:

Numb #'s:	Number of ISDN numbers or placeholders to use. All entries require at least 1 number or placeholder.
Num n:	ISDN number or '#' placeholder character.

Although creating a Quick Configuration or Speed Dial entry may sound difficult or confusing, this is really not the case. The following examples show how easy it is to create table entries.

7.1.1 Example 1 – Manually Creating a Speed Dial Entry - Different Send and Receive Algorithms

In this example, we will create an actual Speed Dial entry that will be used to send high quality, MPEG Layer II stereo audio to a recording studio but receives low quality, low delay G.722 audio from the studio for cueing purposes. In this example, we will create a true Speed Dial entry including two ISDN phone numbers.

From the Keypad:

SDSET <Add entry> ENTER	
name ENTER	entry name (spaces are not allowed)
<128> ENTER	encoder bit rate
<48> ENTER	encoder sample rate
<MPEGL2> ENTER	encoder algorithm
<Joint Stereo> ENTER	encoder algorithm mode
<2 Lines> ENTER	2-line mode
<YES> ENTER	select decoder independent mode
<64> ENTER	decoder bit rate
<G.722> ENTER	decoder algorithm
<1 Line > ENTER	decoder line format
1 ENTER	line 1

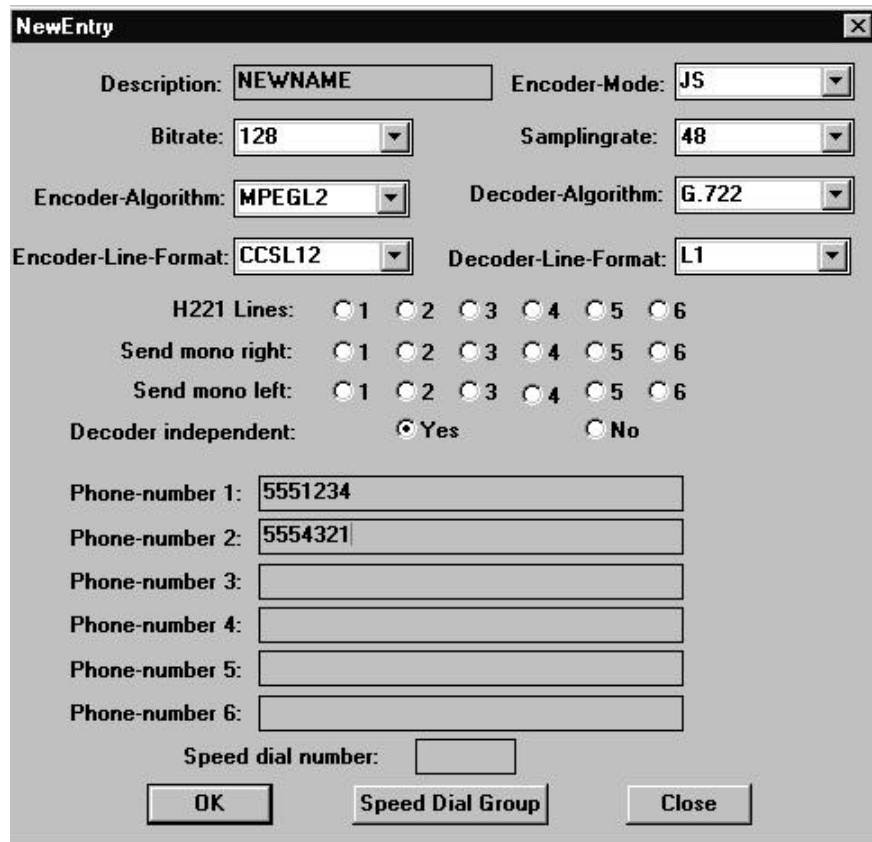
<2> 2 numbers are dialed
 first number
 second number

From a terminal or emulator:

CSE name 128 48 MPEG2 JS CCSL12 YES 64 G.722 L1 number1 number2

From the Windows Remote Control program:

Click on Speed Dial then Add Entry.



Enter the information as shown here (use your own name and the correct ISDN numbers) and click on OK.

In all cases, the **Prima LT** will return an ID number. This is the ID number that is used to load the newly created entry.

7.1.2 Example 2 – Using Place Holders To Create Quick Configurations

The last example will show how to manually create a Speed Dial entry. This example will use the same configuration as the previous example, but will create a non-dialing Quick Configuration.

From the Keypad:

SDSET	<Add entry>	ENTER	
<i>name</i>	ENTER		entry name
<128>	ENTER		encoder bit rate
<48>	ENTER		encoder sample rate
<MPEGL2>	ENTER		encoder algorithm
<Joint Stereo>	ENTER		encoder algorithm mode
<2 Lines>	ENTER		2-line mode
<YES>	ENTER		select decoder independent mode
<64>	ENTER		decoder bit rate
<G.722>	ENTER		decoder algorithm
<1 Line >	ENTER		decoder line format
1	ENTER		line 1
<1>	ENTER		1 number or place holder
#	ENTER		enter place-holder

From a terminal or emulator:

```
CSE name 128 48 MPEG2 JS CSSL12 YES 64 g.722 L1 #
```

7.2 System Snapshots

By far, the easiest way of creating a Speed Dial entry or Quick Configuration is by taking a “system snapshot”. Once configured, simply press the **SDSET** button, select the <Save Current> option, enter a descriptive name and press **ENTER**. This saves the current configuration in the next available Speed Dial location.

System snapshots can be used to create Quick Configurations if used when not connected to another codec. If you take a system snapshot while connected to another codec **and you dialed that other codec**, then a Speed Dial is created. Following are some examples of using system snapshots to create a Quick Configuration and a Speed Dial.

7.2.1 Example 3 – Save Current Configuration, Quick Configuration

There may be many instances where a pre-programmed Quick Configuration may be close to, but not exactly what you need. For example, there is no Quick Configuration for MPEG layer III at 128 kb/s Joint Stereo, decoder independent, as would be used to a Layer III only Telos Zephyr.

Here's how to create this:

Manually configure the encoder and decoder as desired. From the Keypad:

<Algorithm> <input type="text" value="ENTER"/>	enter algorithm setup menu
<MPEGL3> <input type="text" value="ENTER"/>	set encoder algorithm = MPEGL3
2 Lines <input type="text" value="ENTER"/> <input type="text" value="1"/> <input type="text" value="2"/> <input type="text" value="ENTER"/>	set 2 line format, dial line 1 first
<128> <input type="text" value="ENTER"/>	set bit rate = 128 kb/s
<48> <input type="text" value="ENTER"/>	set sample rate = 48 kHz
<Joint Stereo> <input type="text" value="ENTER"/>	set mode = joint stereo
<YES> <input type="text" value="ENTER"/>	set decoder independent – required to connect to a Telos Zephyr
<MPEGL3> <input type="text" value="ENTER"/>	set decoder algorithm = MPEGL3
2 Lines <input type="text" value="ENTER"/> <input type="text" value="1"/> <input type="text" value="2"/> <input type="text" value="ENTER"/>	set 2 line format

Now that the **Prima LT** is configured as desired, press the button, using the alphanumeric keypad enter a descriptive name and press the button. **Please note that although the names can be up to 16 characters, short names are desired and no spaces are allowed.**

Once the button is pressed, the **Prima LT** will return an ID number for the new Quick Configuration you just created. The next time you want to use this configuration, just press the button, enter the ID number and press .

7.2.2 Example 4 – Save Current Configuration, Speed Dial

In the last example, a Quick Configuration entry was created since the **Prima LT** was not connected to another codec. We could have just as easily created an actual speed dial entry, which would dial into another codec, if we had dialed into and were connected to the other codec when we saved the current configuration.

To create a Speed Dial entry, that is, a table entry that actually dials over ISDN to another codec, configure the **Prima LT**, either manually or using a Quick Configuration, dial into the far-end codec, and then save as above. Remember, if *you* dialed, and are connected to another codec, saving the current configuration will also save the ISDN numbers you dialed.

In all cases, the **Prima LT** will return an ID number. This is the ID number that is used to load the newly created entry.

7.3 Viewing The Speed Dial Directory

Many times you may not remember the ID number of a Speed Dial or Quick Configuration entry. You can also view the directory by name and load the entry once it is found.

Viewing the entire Speed Dial directory is easy, press the **SDSET** button and choose the <View Directory> option. Use the left or right arrow buttons to scroll through the directory, remembering that the entries are stored alphabetically by the name of the entry. Once the desired entry is found, press the **ENTER** button once to view the contents of the entry, or press the **ENTER** button *twice* to evoke the entry.

7.4 Editing Speed Dial Entries

Editing any speed dial entry, whether a Quick Configuration or an actual dialing entry, is easy. Press the **SDSET** button, select the <Edit Entry> option and press **ENTER**. Use the left or right arrow buttons to find the entry you want to change and press **ENTER**.

Now in the edit mode, use the right arrow button to advance to the parameter you want to change. Once at the parameter to change, press the **ENTER** button, change the parameter, then press the **ENTER** button. Once the parameter has been changed, *press the up arrow button to exit the edit mode.*

7.4.1 Example 5 – Changing The Phone Number

Let's say that your **Prima LT** is connected to ISDN through a PBX system that requires you to dial '9' before making a call. You will need to change the phone number of the pre-programmed Test Line entries in order to connect to them. Editing the current entries is easy. Here's how:

- Press the **SDSET** button, select the <Edit Entry> option, and using the right arrow button, scroll until we see the desired entry to change, entries are stored alphabetically, going right requires fewer button presses.
- Press **ENTER** to edit the entry.
- Continue pressing the right arrow button to scroll through the settings until the parameter we need to change is displayed. In this case, when the phone number is displayed, press **ENTER**.
- Using the alphanumeric keypad, enter the new phone number. Press **ENTER** when done.
- Press the UP ARROW once to exit the 'edit parameter' mode, and again to exit the 'edit entry' mode. The edited entry is saved using the same ID number.

7.5 Deleting Speed Dial Entries

You can delete either a single speed dial table entry, or the entire table, depending on the option chosen after pressing the **SDSET** button. Choosing the <Delete Entry> option allows you to specify the ID number of the entry to delete. Choosing the <Clear All> option erases the entire directory after asking if you are sure.

Remember that once the entries are deleted, they cannot be recovered.