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## 1 General Description

Thanks for choosing our **Aristel** KTS Special single line telephone SLT70.

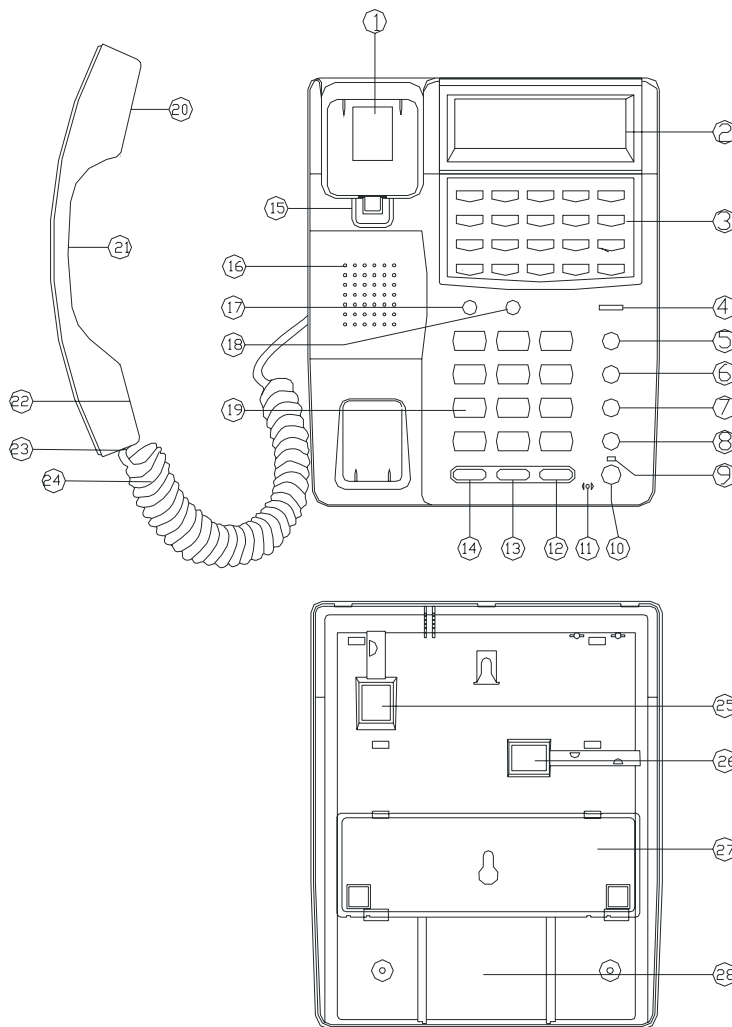
The SLT70 is expertly designed for Key Telephone System. It provides all the functions of a caller ID telephone as well as the following main special features:

- All the existing settings can be saved in case of Power-fail.
- Adjustable hook-flash time avoid on-hold problems.
- Transfer Key with adjustable flash time to ensure correct transfer operation.
- By setting CO Hunting code, this phone provides last number re-dialing no matter what system it is connected to.
- This phone is very suitable as a hotel-telephone for it provides a Message Waiting indication LED.
- This phone provides one-touch functions by programming the 15 DSS keys.
- ARS/LCR functions with voice identification. Not used in Australia
- In particular, the SLT70 can use the be-paged and Voice Call functions if connected to an **Aristel** KTS.

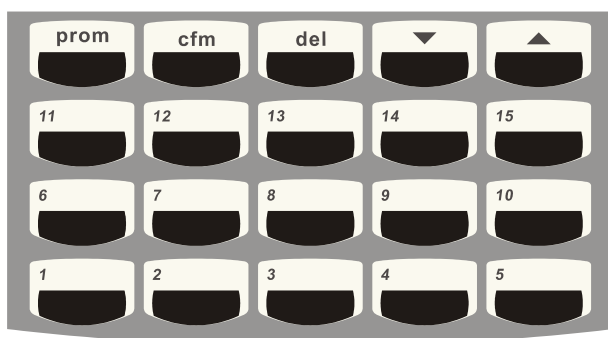
## 2 Telephone Specification

### 2.1 SLT70 Layout

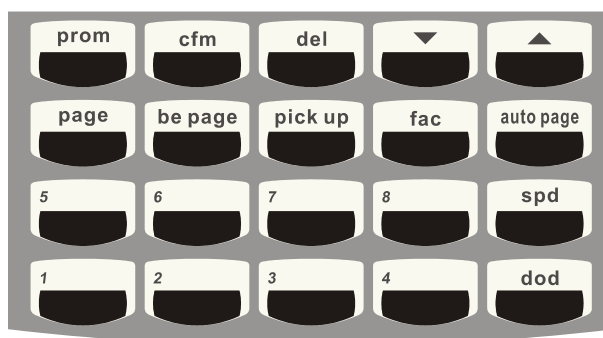
- 1、 Hook Switch
- 2、 LCD Display
- 3、 DSS Keys
- 4、 Message LED
- 5、 Redial Key
- 6、 Pause Key
- 7、 Mute Key
- 8、 Transfer/Flash Key
- 9、 Hands free LED
- 10、 Hands free Key
- 11、 Micro Phone
- 12、 Incoming Messages
- 13、 Outgoing Messages
- 14、 VIP Phonebook
- 15、 Hand piece Wall Mount Clip
- 16、 Speaker
- 17、 Time Set Key
- 18、 Alarm Set Key
- 19、 Numeric key
- 20、 Telephone Receiver
- 21、 Handset
- 22、 Telephone Transmitter
- 23、 Handset Spring-cord Jack
- 24、 Spring Cord
- 25、 Line-cord Jack
- 26、 Bracket Spring-cord Jack
- 27、 Table/ Wall Mount Bracket
- 28、 SLT70 Operation Guide



**SLT70 LAYOUT**



One-touch Function under General Mode



One-touch Function under **Aristel** Mode

## 2.2 Check List

Telephone Base×1

Handset×1

Line Cord×1

Spring Cord×1

Operation Manual×1

Junction box×1(optional part)

## 2.3 Installation Note

If this phone is used as an extension, please set “Direct Outward dialing” Key.

## 3 Facility Operation

### 3.1 Telephone Basic Parameter Setting

Telephone Basic Parameter Setting (off hook)
<b>Description:</b> 1> Off Hook — Press <b>[prom]</b> Key to enter Setting Status, Press <b>[prom]</b> Key repeatedly to change setting menu. (3.1.1-3.1.3) 2> After every setting, Press <b>[prom]</b> Key to save this setting and switch to another(3.1.1-3.1.3) 3> On Hook / Press <b>[SPK]</b> Key to exit setting status.

#### 3.1.1 LCD Brightness Adjustment

LCD Displays as “LCD”

Press **[▼]** or **[▲]** Key to adjust LCD brightness to the level required. (Total are 5 different brightness levels.)

Default: 3

#### 3.1.2 Ringing Volume Adjustment

LCD Displays as “rVOL”

Press **[▼]** or **[▲]** Key to adjust ringing volume to the level required. (Total are 4 different volume levels.)

Default: 3

#### 3.1.3 Local Area Code Setting

LCD Displays as “LOCAL”

Press the local area code directly, and then telephone can delete area code on LCD with every incoming call

#### 3.1.4 Time Setting

Press **[CLOCK]** Key to enter setting, 1st digit of time blinks.....

Press **[▼]** or **[▲]** Key to adjust time, Press **[CLOCK]** Key to save and move the cursor.

On hook to exit setting.

This telephone provides the function of FSK Auto time updating, that is, when this phone is connected directly to telephone Line, the time and date will be updated automatically while receiving a phone call with CLI enabled.

#### 3.1.5 Alarm Clock Setting

Press **[ALARM]** Key to enter setting, Press **[cfm]** Key to save and exit setting.

On hook to cancel and exit setting.

LCD Displays as “AC-“

Setting Values: HH MM DD

HH: Hour (00 ~ 23)

MM: Minute (00 ~ 59)

DD: Ringing Duration (00 ~ 90)

Adjust Ringing Duration to "00" to close the clock.

Default: 00 00 00

While off hook, Left-bottom of LCD displays the time, and right-bottom displays the alarm.

### Telephone Basic Parameter Setting (on hook)

#### Description:

This phone's Basic Parameter Setting while on hook.

#### 3.1.6 Speaker Volume Adjustment

Press **[SPK]** Key to use handsfree on hook, Press **[▼]** or **[▲]** Key to adjust Speaker volume to the level required. (Total are 3 different volume levels.)

Right-above of LCD displays volume degree

Default: 2

#### 3.1.7 Handset Volume Adjustment

Pick up handset Press **[▼]** or **[▲]** Key to adjust Handset volume to the fit degree. (Total are 4 different volume degrees.)

Right-above of LCD displays volume degree

Default: 3

### 3.2 Telephone Basic Function Operation

#### 3.2.1 Incoming Messages

Press **[IN]** Key to display the last incoming number, Use **[▼]** / **[▲]** Key to display the incoming number, date and time.

Press **[del]** Key to delete the current record.

#### 3.2.2 Outgoing Messages

Press **[OUT]** Key to display the last outgoing number, Use **[▼]** / **[▲]** Key to display the outgoing number, date and time.

Press **[del]** Key to delete the current record.

#### 3.2.3 Dial-back / Addition-dialing

While LCD displays incoming, outgoing, or VIP messages, Press **[REDIAL]** Key to dial-back the displayed number.

Press **[REDIAL]** Key twice quickly to addition-dial the displaying number. (Telephone will

add a code “0 or 9” before this number automatically before dialing)

### 3.2.4 Transfer/Flash

Off Hook — Press **TRF/FL** Key, this is an adjustable hook flash; refer to “Chart 4.4 Function Setting”. If this telephone is used as extension off a telephone system, press **TRF/FL** Key and dial request extension number to transfer the call.

### 3.2.5 Re-dialing

On Hook — Press **REDIAL** Key to redial the last number.

### 3.2.6 Pause Function

While dialing, Press **PAUSE** Key to insert a delay of 990ms (This duration is adjustable, refer to “Chart 4.4 Function Setting”). During function setting, Press **PAUSE** Key once means put in one unit pause time.

### 3.2.7 VIP Management

The phone number stored in incoming/outgoing messages can be memorized as VIP by pressing **ENTER** Key. (LCD displays as “🏠”)  
Press **VIP** Key to display VIP number, Use **▼** / **▲** Key to inquire the VIP messages.  
Press **del** Key to delete the current record.

### 3.2.8 Mute Function

Whilst Talking — Press **MUTE** Key to mute, come back to converse by pressing again.

### 3.2.9 One-touch Dialing

On hook/off hook — Press DSS Key (DSS1~DSS15 ) to dial the number programmed in the DSS key (refer to Chart 4.3 DSS Key Setting).  
When DSS key is programmed as a line, the telephone can auto add “CO Hunting Code” while one-touch dialing.

### 3.2.10 Hands free Function

Off hook — Press **SPK** Key once, commence hands free dialing/speaker mode, Press **SPK** Key again to end the call.

### 3.2.11 Auto Release Line

If not hung up properly, the telephone can automatically cut off the line after CO Line defined Busy-tone-detection time is reached.

### 3.2.12 IP Card Function ( ARS/LCR )

Refer to Chart 4.4.1 ARS/LCR Setting.



### 3.3 Special Function under **Aristel** KTS Mode

Special Function under <b>Aristel</b> KTS Mode
<b>Description:</b> 1> Under <b>Aristel</b> KTS mode, you can use almost all the functions that an <b>Aristel</b> Key Phone can by operating special codes. 2> For the SLT70, we have already set these special codes to appointed DSS key to provide one-touch functioning under <b>Aristel</b> KTS mode. Of course, customers also can change DSS key default by setting.

#### 3.3.1 Ext. Paging (#0)

On hook — Press page Key to page **Aristel** key phone and special SLT.

#### 3.3.2 Meet Me Page (#\*)

Hearing paging — Press be page Key to answer paging.

#### 3.3.3 Pick Up (\*0)

Press pick up Key directly to pick up a call to a ringing extension.

#### 3.3.4 Account Code (#7\*)

Press fac Key directly, dial account code, and then dial required phone no.

#### 3.3.5 CO Auto Page

Talk with a CO Line — Press auto page Key to hold this line with LCD displays as: CO\*\* (\*\* means CO line no.). At the same time, the telephone begins paging.

#### 3.3.6 System Speed-dialing (#81)

Press spd Key, then dial individual speed-dialing number.

#### 3.3.7 Direct Outward Dialing (0 or 9)

Press dod Key, then telephone can auto hunt a free CO line.

#### 3.3.8 Direct Trunk Dialing, CO1-CO8 (\*41-\*48)

Press 1 – 8 Key, then telephone will auto hunt for the appointed CO line. (CO1-CO8)

## 4 Telephone Function Setting

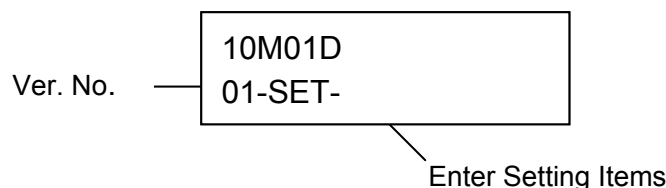
Telephone Function Setting
<p><b>Description:</b></p> <p>1&gt; Advanced telephone function settings.</p> <p>2&gt; During function setting, press <b>[del]</b> key to delete characters; Press <b>[▼]</b> / <b>[▲]</b> key to move the cursor; Press <b>[cfm]</b> key to save current settings; Press <b>[prom]</b> key to cancel the last setting and exit to main menu.</p> <p>3&gt; There are two kinds of setting method:</p> <p><u>DSS Key Setting</u>: This method is to use <b>[prom]</b> Key to define DSS-defined-code directly.</p> <p><u>System Function Setting</u>: This method is to use <b>[prom]</b> Key and function code to enable this telephone's special functions and parameter defining.</p>

### 4.1 Enter Setting Status

Off hook — **[prom]** Key + password + **[cfm]** Key — Enter into Setting Status

Default password: 000000.

LCD Displays:



### 4.2 Exit Setting Status

Setting Status — Off hook — Exit Setting Status.

### 4.3 DSS Key Setting

Setting Status — DSS Key + DSS-defined-code + **[cfm]** Key — Press **[▼]** / **[▲]** Key to change DSS Key's function (Co. / Ext.)

Note: 1. 15 DSS Key means the 15 Memory Keys.

2. During setting DSS-defined-code, you may put in:

**[PAUSE]** Key: Press **[PAUSE]** Key once means put in one unit of pause time (Refer to Chart 4.4.8). You may press **[PAUSE]** Key more than once according to your requirement, displayed as "P".

**[REDIAL]** Key: Press **[REDIAL]** Key means voice Identification characters. While finished dialing previous DSS-defined-code, you should dial next code after Voice Detection, figured by "A".

**[TRF/FL]** Key: Press **[TRF/FL]** Key once means put in one unit of flash time (Refer to Chart 4.4.7), displayed as "F".

**MUTE** Key: Press **MUTE** Key once means put in one unit of ring off (Refer to Chart 4.4.9), fdisplayed as " "(SPACE).

3. After DSS-defined-code setting, also do set the DSS Key's function (Co. / Et.).

If set as "CO", telephone can automatically add a CO Hunting code, then start dialing.

Using: 1.Press DSS Key directly to dial the DSS-defined-code.

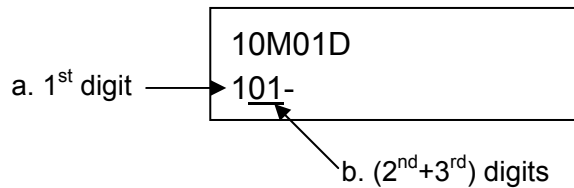
E.G.: In **Aristel** KTS, the Function-code of meet-me-page is "# \* ", After define DSS5 Key as "# \* " and set DSS5 Key's attribute as Ext., DSS5 can realize one-touch function of meet-me-page.

2. This definition can be used in conjunction with ARS/LCR setting to achieve more functions.

### 4.4 System Function Setting

#### 4.4.1 ARS/LCR Setting

Setting Status — 00+ **cfm** Key +Initial Code (Max: 8 digits) + **cfm** Key



Note: 1. a: Means DSS Key no. DSS1~DSS3 can use this function.

Press corresponding DSS Key (DSS1~3) to make choice.

2. b: Means Initial Code group no.

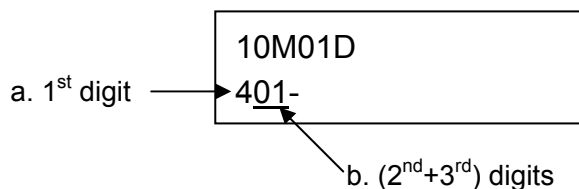
Press **▲/▼** Key to change group no. Each DSS Key provides 30 (00~29) groups.

3. If the Initial code of dialing number is the same as any one among group no.00~29, the telephone will automatically add the corresponding DSS-defined-code (this code can be put in flash, pause, voice ID and so on, see Chart 4.3), then dialing.

4. DSS1-DSS3's function should be defined as "CO" to enable ARS/LCR function.

#### 4.4.2 Restricted Code Setting

Setting Status — 00+ **cfm** Key + DSS4+ Restricted number (Max: 8 digits) + **cfm** Key



Note: 1. Press DSS4 Key to change a (1<sup>st</sup> digit) as “4”, and then enter restricted number setting.

2. a: means Restricted group no.

Press  /  Key to change group no. (00~29).

3. If the Initial code of dialing number is the same as any restricted code among group no.00~29, the telephone will restrict dialing.

Direct line Mode: group no. 00~19

Extension Mode: (1) CO no. restriction: group no.00~19

(2) Extension no. restriction: group no.20~29

#### 4.4.3 Change Telephone's Password

Setting Status — 01+  Key + new password +  Key

Note: Please remember the password you set. When forgotten, please contact the nearest **Aristel** authorized agent for assistance.

#### 4.4.4 System Restoration

Setting Status — 00 +  Key + n (Restoration Mode) +  Key

Note: “n” means restoration mode (0 ~ 9), Default: 2

1-General Mode;

2-**Aristel** KTS “dial\_0 code” Mode;

3-**Aristel** KTS “dial\_9 code” Mode.

#### 4.4.5 CO Hunting Code Setting

Setting Status — 03+  Key + 1st Group CO Hunting Code (Max: 8 digits) +  Key

Default Under General Mode: none

Default Under **Aristel** KTS Mode: 9 or 0

Setting Status — 04+  Key + 2nd Group CO Hunting Code (Max: 8 digits) +  Key

Default Under General Mode: none

Default Under **Aristel** KTS Mode: #4AA

Setting Status — 05+  Key + 3rd Group CO Hunting Code (Max: 8 digits) +  Key

Default Under General Mode: none

Default Under **Aristel** KTS Mode: \*4A

Setting Status — 06+  Key + 1st Group CO Delay Time (0~199) +  Key

Default: 016 (16\*30ms=480ms, unit: 30ms)

Setting Status — 07+  Key + 2nd Group CO Delay Time (0~199) +  Key

Default: 016 (16\*30ms=480ms, unit: 30ms)

Setting Status — 08+  Key + 3rd Group CO Delay Time (0~199) +  Key  
Default: 016 (16\*30ms=480ms, unit: 30ms)

- Note: 1. If the telephone is used as extension of a KTS, you must do the above setting to enable redialing, ARS/LCR and so on.  
2. The telephone can be set two groups of dial\_9 code (each group Max. 8 digits)  
3. Press  Key to put in one unit "A". If the 2nd & 3rd Group CO Hunting Code include "A", this digit is freewill-number.  
4. When Re-dialing, Dial-back (incoming, outgoing or VIP number), it defaults the 1st Group CO Hunting Code.

#### 4.4.6 Busy Tone Parameter Setting

Setting Status — 09+  Key + Busy Tone On-1 Detection Time (0~199) +  Key  
Default: 023 (23\*15ms=345ms, unit: 15ms)

Setting Status — 10+  Key + Busy Tone Off-1 Detection Time (0~199) +  Key  
Default: 023 (23\*15ms=345ms, unit: 15ms)

Setting Status — 11+  Key + Busy Tone On-2 Detection Time (0~199) +  Key  
Default: 033 (33\*15ms=495ms, unit: 15ms)

Setting Status — 12+  Key + Busy Tone Off-2 Detection Time (0~199) +  Key  
Default: 033 (33\*15ms=495ms, unit: 15ms)

- Note: The telephone can set two groups of Busy Tone Detection Parameters.  
KTSs may have two kinds of Busy Tone, one supplied by the carrier, the other is internal Busy Tone of the system. Some functions of this telephone can work in conjunction with Busy Tone Detection Technology.

#### 4.4.7 Transfer Key Flash Time Setting

Setting Status — 13+  Key + Flash Time (0~199) +  Key  
Default: 010 (10\*10ms=100ms, unit: 10ms).

#### 4.4.8 Pause Time Setting

Setting Status — 14+  Key + Pause Time (0~199) +  Key  
Default: 033 (33\*30ms=990ms, unit: 30ms).

#### 4.4.9 Ring off Time Setting

Setting Status — 15+  Key + Ring off Time (0~199) +  Key  
Default under General Mode: 100 (100\*10ms=1000ms, unit: 10ms)  
Default under **Aristel** KTS Mode: 006 (6\*10ms=60ms, unit: 10ms)

#### 4.4.10 Dialing Delay Time Setting

Setting Status — 16+  Key + CO-dialing Delay Time (0~199) +  Key

Note: Some KTSs need a delay time of on-hook signal detection, then start to receive dialing digits.

Default under General Mode: 016 (16\*30ms=480ms, unit: 30ms)

Default under **Aristel** KTS Mode: 004 (4\*30ms=120ms, unit: 30ms)

#### 4.4.11 Hook Delay Time Adjustment

Setting Status — 17+  Key + Hook Delay Time (0~199) +  Key

Default under General Mode: 010 (10\*30ms=300ms, unit: 30ms)

Default under **Aristel** KTS Mode: 030 (30\*30ms=900ms, unit: 30ms)

#### 4.4.12 ARS/LCR Start-using or not

Setting Status — 18+  Key + “0” or “1” +  Key

(0: do not use, 1: use) Default: 0

#### 4.4.13 Tone/Pulse dialing Switch

Setting Status — 13+  Key + “0” or “1” +  Key

(0: Tone, 1: Pulse) Default: 0

Note: If above set as “1” (Pulse), you may press  Key to change to Tone-dialing mode while on hook. After going off hook, the telephone will automatically return to Pulse-dialing mode.