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1 General Description

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

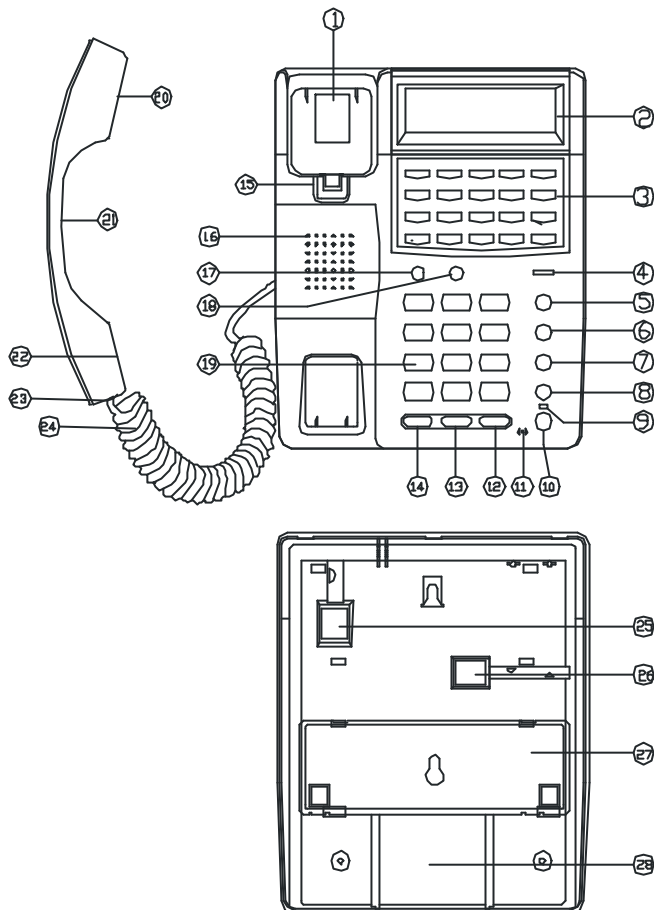
The SLT70 is expertly designed for Key Telephone System. It provides all the functions of a caller ID telephone as well as the following main special features:

- 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.
- 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

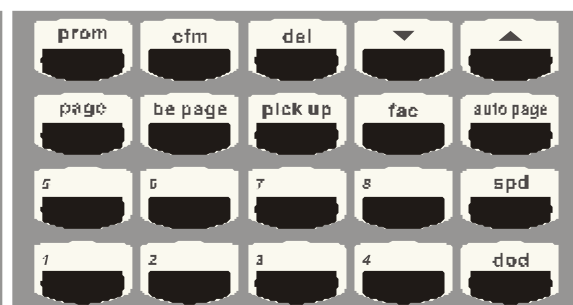
- 1) Hook Switch
- 2) LCD Display
- 3) DSS Keys
- 4) Message LED
- 5) Redial Key
- 6) Pause Key
- 7) Mute Key
- 8) Transfer/Flash Key
- 9) Hands free LED
- 10) Hands free Key
- 11) Micro Phone
- 12) Incoming Messages
- 13) Outgoing Messages
- 14) VIP Phonebook
- 15) Hand piece Wall Mount Clip
- 16) Speaker
- 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 CO Hunting Code

3 Facility Operation

3.1 Telephone Basic Parameter Setting

Telephone Basic Parameter Setting (on hook)

Description:

- 1> On Hook — Press **prom** Key to enter Setting Status, Press **prom** Key repeatedly to change setting menu. (3.1.1-3.1.3)
- 2> After every setting, Press **prom** Key to save this setting and switch to another(3.1.1-3.1.3)
- 3> Off Hook / Press **SPK** 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. (Totally there are 5 different brightness levels.)

Default: 2

3.1.2 Ringing Volume Adjustment

LCD Displays as “rVOL”

Press **[?]** or **[?]** Key to adjust ringing volume to the level required. (Totally there are 3 different volume levels.)

Default: 2

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.

Off 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 FSK CLI enabled.

3.1.5 Alarm Clock Setting

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

Off 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 alarm clock.

Default: 00 00 00

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

Telephone Basic Parameter Setting (off hook)

Description:

This phone's Basic Parameter Setting while Off hook.

3.1.6 Speaker Volume Adjustment

Press **[SPK]** Key to use handsfree, Press **[?]** or **[?]** Key to adjust Speaker volume to the level required. (Totally there are 3 different volume levels.)

Right-above of LCD displays volume level.

Default: 2

3.1.7 Handset Volume Adjustment

Pick up handset, Press **[?]** or **[?]** Key to adjust Handset volume to the level required. (Totally there are 4 different volume level required.)

Right-above of LCD displays volume level.

Default: 2

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" 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 of a telephone system, press **TRF/FL** Key and dial request extension number to transfer the call.

3.2.5 Re-dialing

Off 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.

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 release that key.

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

On 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 Aristel KTS Mode
Description: 1> Under Aristel KTS mode, you can use almost all the functions that an Aristel 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 Aristel KTS mode. Of course, customers also can change DSS key default by setting.

3.3.1 Ext. Paging (#0)

Press **page** Key directly 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 (*1)

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.

3.3.7 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

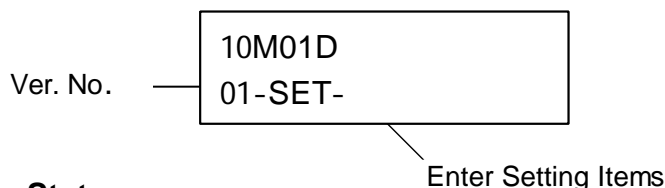
Telephone Function Setting	
Description:	
1>	Advanced telephone function settings.
2>	During function setting, press del key to delete characters; Press [?] / [?] key to move the cursor; Press cfm key to save current settings; Press prom key to cancel the last setting and exit to main menu.
3>	There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

4.1 Enter setting Status

Off hook — **prom** Key + password + **cfm** Key — Enter setting Status

Default of telephone's password: 000000.

LCD Displays:



4.2 Exit Setting Status

Setting Status — On 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, displayed as "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), displayed as " "(SPACE).

- 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.

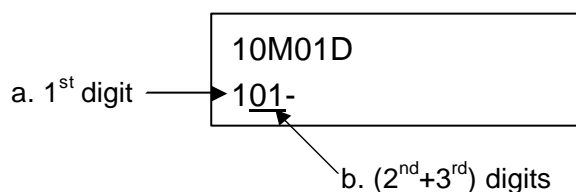
E.G.: In Aristel KTS, the Function-code of meet-me-page is "# * ", After define DSS5 Key as "# * " and set DSS5 Key's attribute as Ext., DSS5 can provide one-touch function of meet-me-page.

- 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

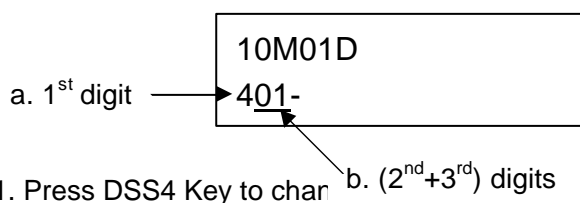
Setting Status — 00+ **cfm** Key + Initial Code (Max: 8 digits) + **cfm** Key



- Note:**
- a: Means DSS Key no. Only DSS1~DSS3 can use this function.
Press corresponding DSS Key (DSS1~3) to make choice.
 - b: Means Initial Code group no.
Press **[?]/[?]** Key to change group no. Each DSS Key provides 30 (00~29) groups.
 - 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.
 - 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:**
- Press DSS4 Key to change **[?]/[?]** digits, and then enter restricted number setting.
 - 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 do remember the password you set. When forgotten, please feel free to contact the nearest Aristel authorized agent for assistance.

4.4.4 System Restoration

Setting Status — 02 + 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 three groups of CO hunting code (each group Max. 8 digits)
3. Press **REDIAL** 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+ **cfm** Key + Busy Tone On-1 Detection Time (0~199) + **cfm** Key
Default: 023 (23*15ms=345ms, unit: 15ms)

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

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

Setting Status — 12+ **cfm** Key + Busy Tone Off-2 Detection Time (0~199) + **cfm** 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+ **cfm** Key + Flash Time (0~199) + **cfm** Key
Default: 030 (30*10ms=300ms, unit: 10ms).

4.4.8 Pause Time Setting

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

4.4.9 Ring off Time Setting

Setting Status — 15+ **cfm** Key + Ring off Time (0~199) + **cfm** Key
Default under General Mode: 100 (100*10ms=1000ms, unit: 10ms)
Default under Aristel KTS Mode: 004 (6*10ms=40ms, unit: 10ms)

4.4.10 Dialing Delay Time Setting

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

Note: Some KTSs need a delay time of off-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+ **cfm** Key + Hook Delay Time (0~199) + **cfm** 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 Be Paged Duration Setting

Setting Status — 18+ **cfm** Key + Be Page Duration (0~199) + **cfm** Key

Default: 199 (199*1s=199s, unit: 1s)

Note: While the telephone is paged, it will hang up after the Be paged Duration time out. The setting value "000" means Be Paged Duration takes no effect.

4.4.13 Headset Enable/Disable

Setting Status — 19+ **cfm** Key + "0" or "1" + **cfm** Key

(0: Disable, 1: Enable) Default: 0

Note: When the headset is set enable, you will use a connected headset to have a call instead of handset or handsfree. At this status, **SPK** is used to answer the call and hung up while the hook switch takes no effect.

4.4.14 ARS/LCR Enable/Disable

Setting Status — 20+ **cfm** Key + "0" or "1" + **cfm** Key

(0: Disable, 1: Enable) Default: 0

4.4.15 Tone/Pulse dialing Switch

Setting Status — 21+ **cfm** Key + "0" or "1" + **cfm** 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 off hook. After on hook, the telephone will automatically return to Pulse-dialing mode.