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1 General Description

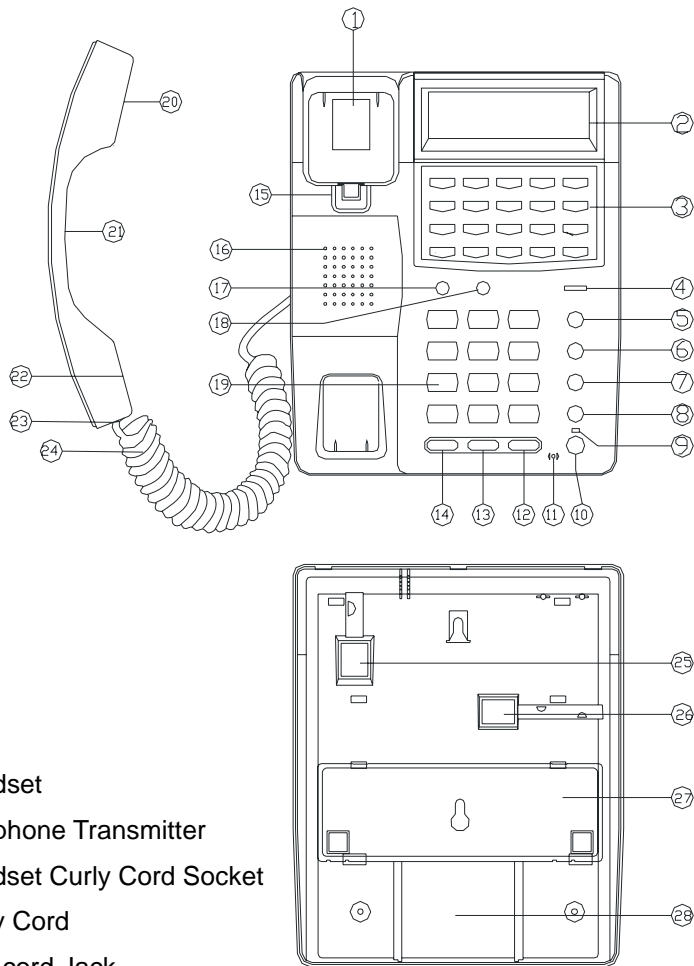
Thank you for choosing our **Aristel** DV Series system.

This Operation Manual gives a listing of all the steps for the Key Phone operation. This manual will assist you to achieve telecommunication service & management of the highest quality, so please spend some time reading this manual in details and have a good understanding of the operation steps.

2 Key Phone Specification

2.1 Key Phone Layout

- | | |
|---------------------------------------|-------------------------------|
| 1) Hook Switch | 21) Handset |
| 2) LCD Display | 22) Telephone Transmitter |
| 3) DSS Keys | 23) Handset Curly Cord Socket |
| 4) Message LED | 24) Curly Cord |
| 5) Redial Key 【Dial】 | 25) Line-cord Jack |
| 6) Speed Dialing Key 【Delete】 | 26) Base Curly Cord Socket |
| 7) Transfer/Flash Key 【Select】 | 27) Table/ Wall Mount Bracket |
| 8) HOLD Key 【Menu】 | 28) Operation Card |
| 9) Hands-Free LED | |
| 10) Hands-Free Key 【Confirm】 | |
| 11) Microphone | |
| 12) UP Key | |
| 13) DOWN Key | |
| 14) FUNC Key | |
| 15) Hand Piece Wall Mount Clip | |
| 16) Speaker | |
| 17) Calculator Key | |
| 18) Phone Book | |
| 19) Numeric key | |
| 20) Telephone Receiver | |



KEY PHONE LAYOUT

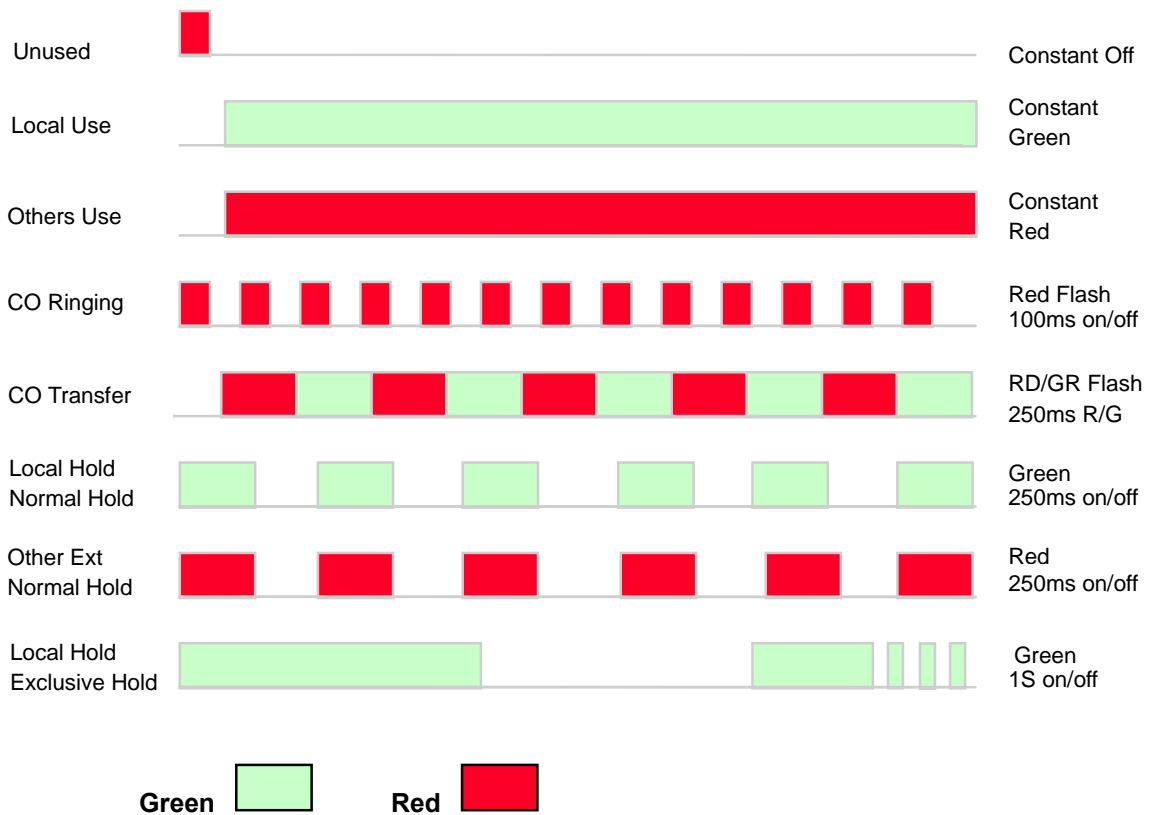
Note: The function key with **[]** also used in Phone-Book Function.

2.2 Key Phone Model Compare 《• Have ; - Haven't》

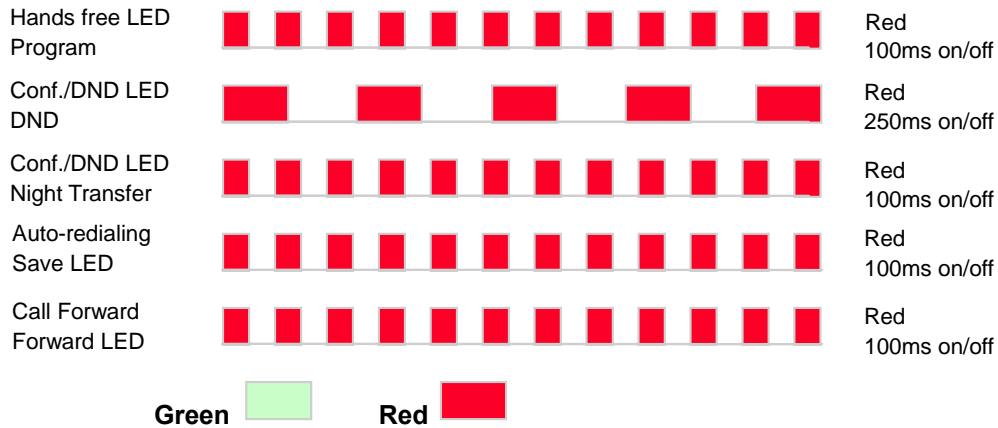
MODEL	DESC.	DSS Keys	Hands free dialing	Hands free Speaker	OHCA	LCD Display	Phone Book
KP10DB	Deluxe Phone	25 Keys	•	•	•	•	-
DKP70	Deluxe Phone	20 Keys	•	•	-	•	•

2.3 Key Phone LED

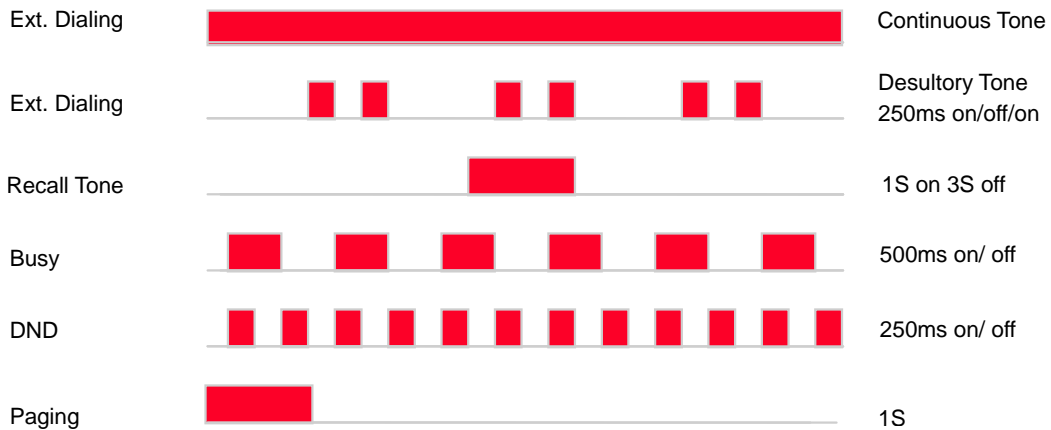
2.3.1 CO Line LED (Dual Color, Tri Status)



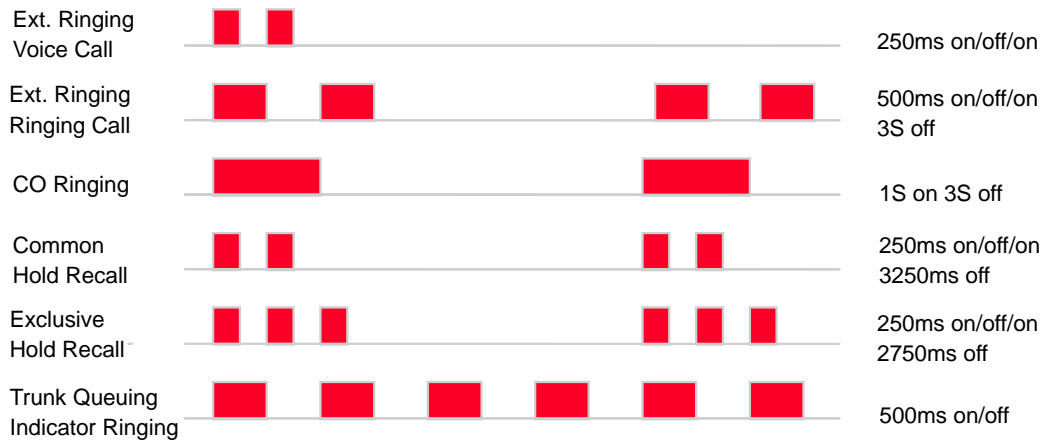
2.3.2 Other Function Keys Display



2.4 Key Phone Tone Frequency



2.5 Key Phone Ringing



3 Key Phone Operation

In the following, information in the text boxes are explanatory notes.

3.1 Outgoing dialing

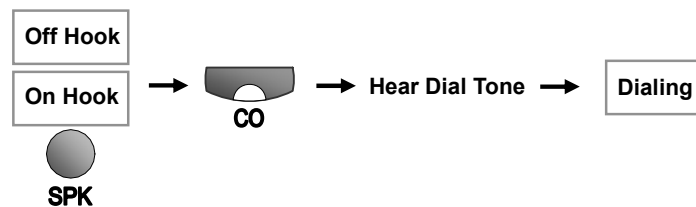
Outgoing dialing
<p>DESC. :</p> <ol style="list-style-type: none"> 1. DV Series System provides two kinds of dialling. <ol style="list-style-type: none"> A. Dual Tone dialing (DTMF) B. Pulse Dialing (DECADIC) 2. System provides One-touch CO Hunting code; Refer to system programming. Default: Press "0" for CO auto hunting Note: When using "Press (0), CO Auto Hunting", only Lines available to this Ext. can be accessed. 3. All the CO DSS keys of "Aristel DV Series" are dual Color, Tri status LED. Green Light: in use by this extension Red Light: in use by another extension

3.1.1 Press (0);CO Auto Hunting

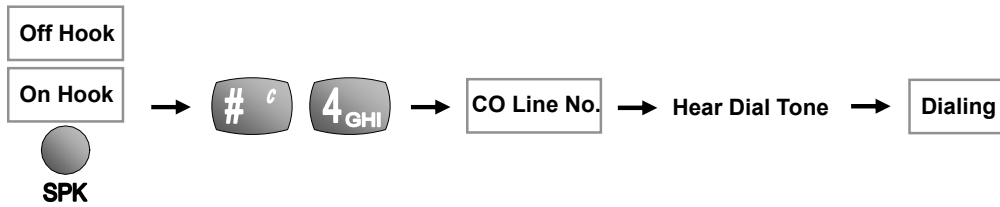


Note: When all COs are busy, you will hear busy tone, and the LCD Key phone displays "Your CO Busy !"

3.1.2 Press DSS Key; Directed Trunk dialing

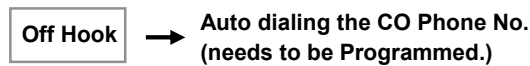


3.1.3 Press #4 + CO Line No.; Directed Trunk Hunting



3.1.4 CO Hot Line Call

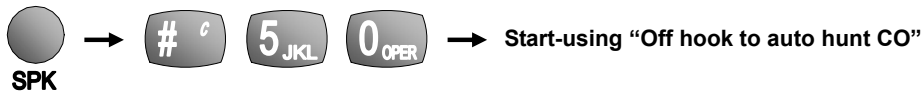
Refer to system programming



3.1.5 Off Hook; CO Auto Hunting

Refer to system programming

Program



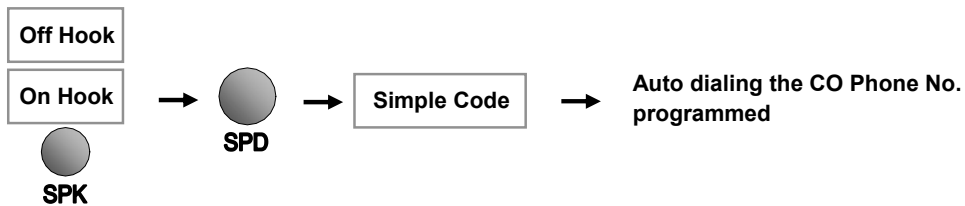
To Cancel



Note: If "Off hook to Auto hunt CO" is programmed, you should press "SPK" Key before Calling an Extension.

3.1.6 System Speed Dialing

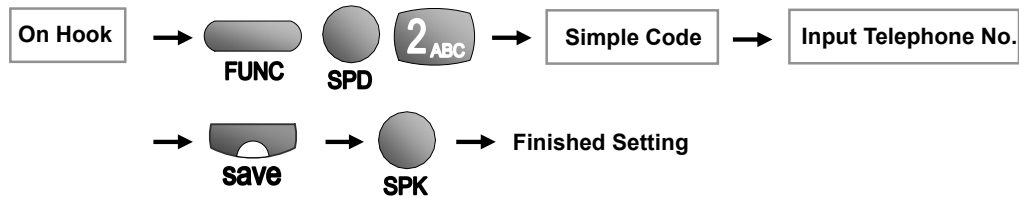
Refer to system programming



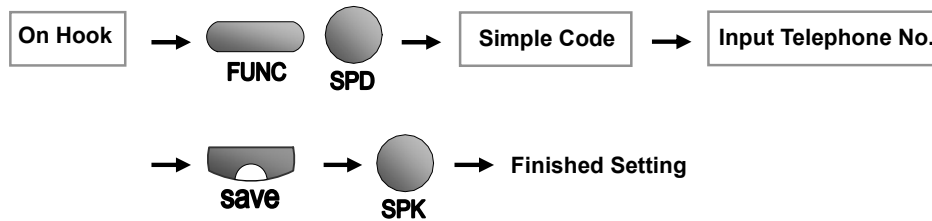
3.1.7 Individual Speed Dialing (20 Groups per Key phone)

Refer to system programming

Program: Consoles



Program: Common Key Ext.



Note:

1. Individual Speed dialing code has two types. 1= numeric keypad & 2= DSS keys. There is a total of 20 groups.

A. Numeric Key (0~9); Press single code when program, add "0" before the speed dialing code when use this function.

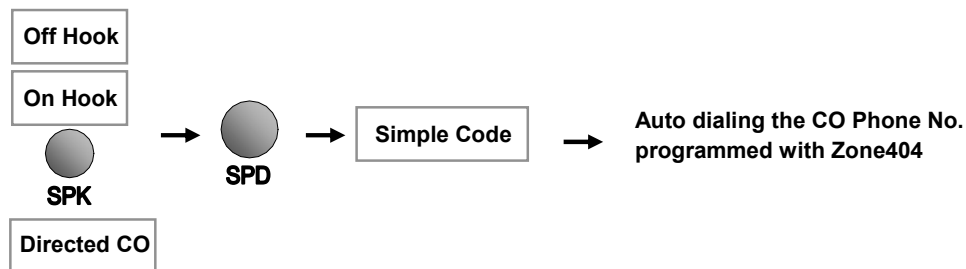
E.G.: **Program:** "6" **Use:** dial "06"

B. DSS Key (DSS01~DSS10)

2. During speed dial setting, press DSS05 (Calculator) to move the cursor and set the directed CO Line.

Put in "save" Key to set dialing delay (Pause).

Individual Speed dialing Operation:



Note: When programmed, Numeric Key simple code is (0~9);

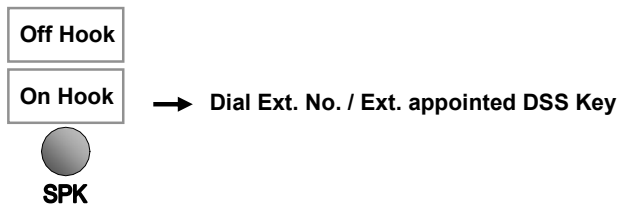
When using this function, simple code is (00~09).

3.2 Intercom Call

Intercom Call

DESC. :

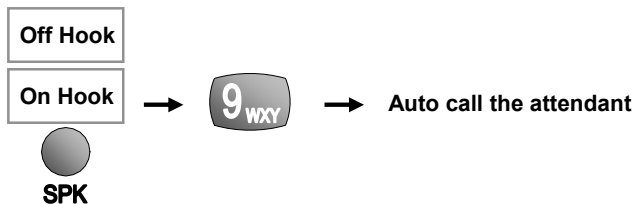
1. DV Series system provides two kinds of Call Method, can be programmed.
 - A. Voice Call
 - B. Ringing Call ----- Default
2. During intercom operation, press “ * ” to change the call method.
3. DV Series system provides two kinds of Ext. Dial Tone,
 - A. Constant Tone ----- Default
 - B. Interrupted Tone
4. During Intercom Call, LCD display as:
 - A. Caller’s Ext. LCD: Receiver’s Ext. No. and use status
 - B. Receiver’s Ext. LCD: Caller’s Ext. No.

3.2.1 Common Intercom Call**3.2.2 Ext. Hot Line Call**

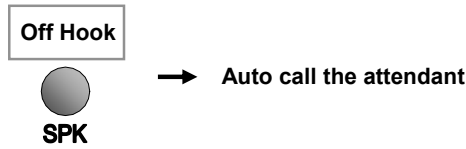
Refer to system programming.

**3.2.3 Ext. Console Calling**

Refer to system programming.



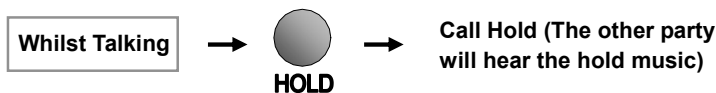
3.2.4 Attendant Hot Line Call
Refer to system programmed



3.3 Special Functions

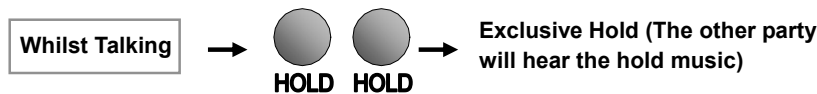
Special Functions while on a call
<p>DESC. :</p> <p>DV Series Systems have many innovations in Key Phone operation, so please contact your Aristel authorized dealer for your company’s Programming requirements.</p> <p>E.G.:</p> <ol style="list-style-type: none"> 1. Auto-Hold by paging: Pressing “PAGE” Key while Talking, System will automatically hold the on talk Line. 2. Auto-Transfer by Answer-paging: Paging to auto-hold the on talk line; After answer paging, the call will be auto-transferred to the answer-paging Ext. 3. Auto Pick-Up. 4. Using Calculator While Talking.

3.3.1 Normal Call Hold
The other party will hear the hold music.
Every Ext. Phone can retrieve this on hold CO/Ext. Line.



Note: When a CO/Ext is put on hold, the DSS Key’s LED will flash.

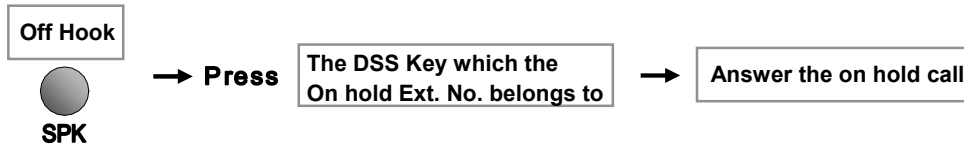
3.3.2 Exclusive Call Hold
Refer to system programming; The other party will hear the hold music,
Only this Ext. phone can retrieve this on hold CO/Ext. Line.



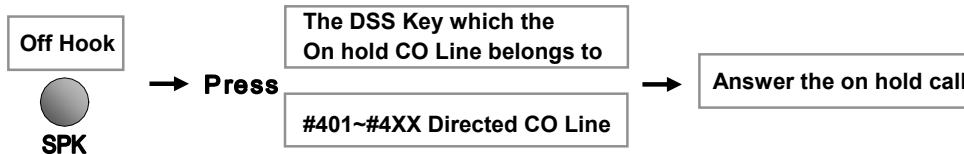
Note: When Exclusive Holding a CO/Ext. the DSS Key’s LED will flash slowly.

3.3.3 Retrieve Call From Hold
Pick up the on hold CO/Ext. Line and answer the call.

Retrieve Internal Call: Hold/Exclusive Hold



Retrieve External Call: Hold/Exclusive Hold



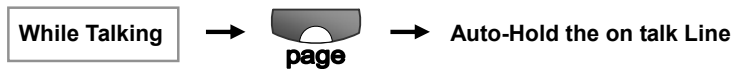
Note:

Normal Hold Answer: Every Ext. Phone can retrieve this on hold CO/Ext. Line.

Exclusive Hold Answer: Only the Ext. that put the call on hold can retrieve the call.

3.3.4 Auto-Hold by Paging

This function is especially for DV Series System.



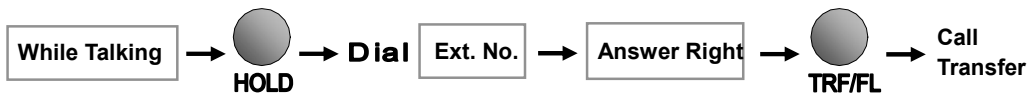
3.3.5 Call Transfer

Transfer the current call to other Ext.

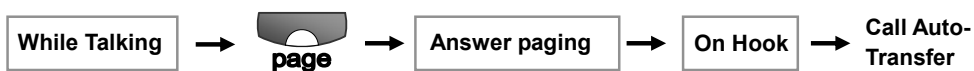
Direct Transfer



Indirect Transfer



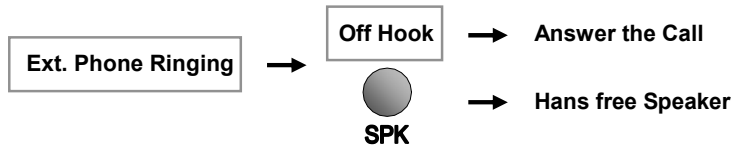
Auto-Transfer by Answer-paging



3.4 Call Answering

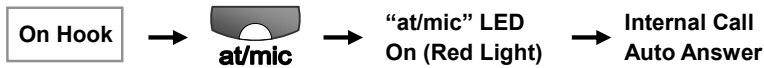
Call Answering
<p>DESC. :</p> <p>There are 5 kinds of Call Answering as below:</p> <ol style="list-style-type: none"> 1. Internal Call Answer 2. External Call Answer 3. Door Phone Answer 4. Answer paging (Refer to Chart 6) 5. Special Answer....Call Pick Up

3.4.1 Internal/ External Call Answering



3.4.2 Internal Call Auto Answer

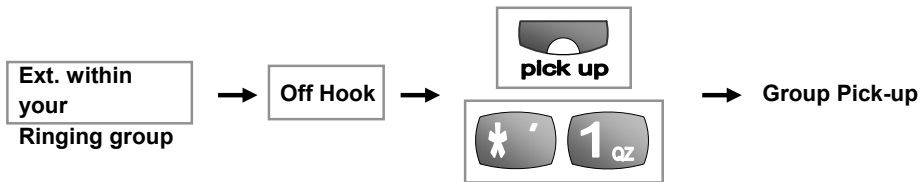
Only the key phones with hands free speaker have this function.



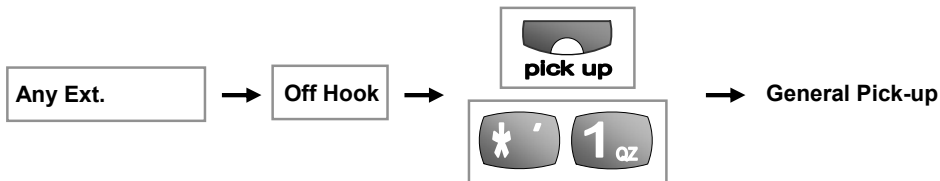
Note: Press “at/mic” Key to cancel the Internal Call Auto Answer.

3.4.3 Call Pick Up: Total are 6 Modes

Group Call Pick-Up: Pickup a ringing extension within your work group. (External/Internal Calls)

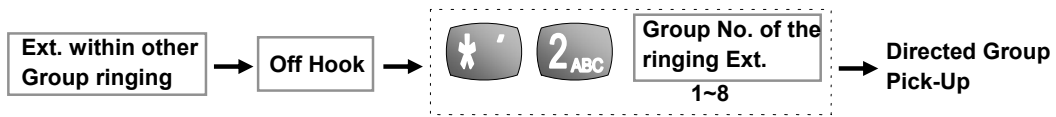


General Call Pick-Up: Pickup any extension of the system. (External/Internal Calls)

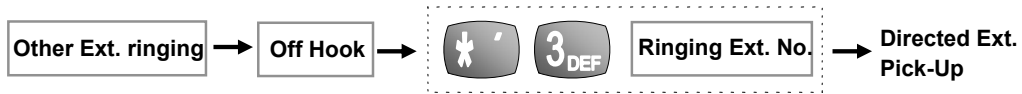


Directed Group Pick-Up: Pickup a ringing extension within the directed group.

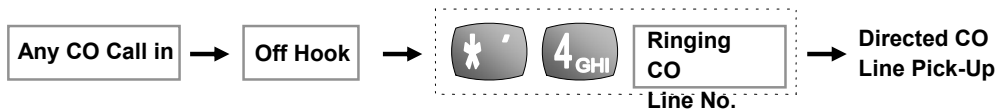
(External/Internal Calls)



Directed Ext. Pick-Up: Pick up a directed ringing extension. (External/Internal Calls)



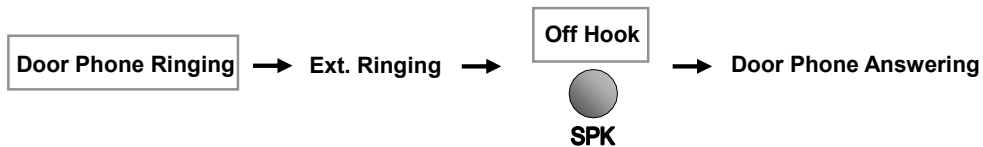
Directed CO Line Pick-Up: Pick up the call of the directed CO Line.(External/Internal)



CO Line Auto Pick-Up: Refer to system programming6.

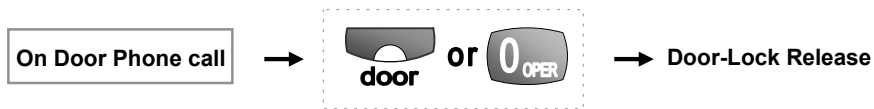


3.4.4 Door Phone Answering

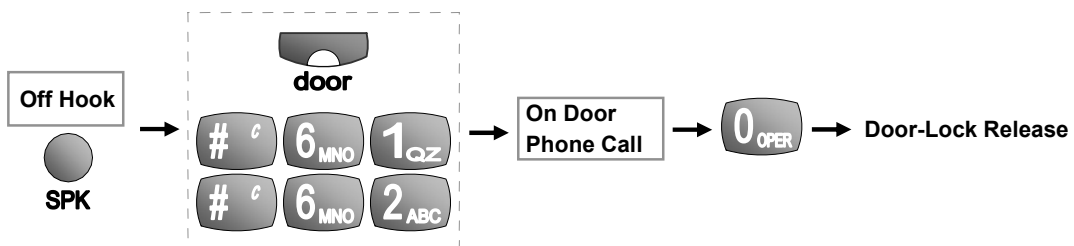


3.4.5 Door-Lock Release

Door-lock Release while on Door Phone call



System directly release Door-lock (#61 means release the 1st Door Lock, #62 means release the 2nd Door Lock.)



3.5 Operation while Dialing Busy

Operation while dialing busy
<p>DESC. :</p> <p>Many functions of DV Series products depend upon with System Program settings, so please contact your Aristel authorized dealer for your company's Programming requirements.</p>

3.5.1 Internal Automatic Recall

While calling an extension and hearing busy Tone, you may use the function of "Internal Automatic Recall".

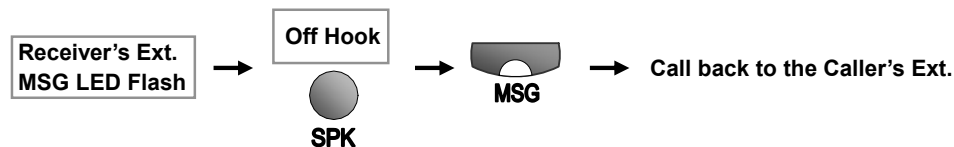
Leave-message: in conjunction with system programming.



Note:

1. The "MSG" LED of the "Extension with message" (Receiver) will flash; at the time, LCD phones display the message information.
2. After leaving a message, the System will Automatically Recall the Caller's Ext. and Remind the Receiver's Ext. as soon as the receiver's Ext. line.
3. Leaving-message has different grades (refer to system programming).

Answering the leave-message



3.5.2 Trunk Queuing

While accessing a trunk and hearing busy tone, you may use the function of "Trunk Queuing". System will call the extension which has queued the trunk as soon as the queued trunk becomes idle; at the time, the extension can use this trunk line by going Off-Hook.



3.5.3 Barge-In

Refer to system programming.



Note:

1. Barge-In has different grades. The higher priority Ext. can leave a message to the lower or same priority Exts.
2. There is a warning tone when barge in is used.
3. System provides Tri-Parties conference function after barge-in.

3.5.4 Monitoring

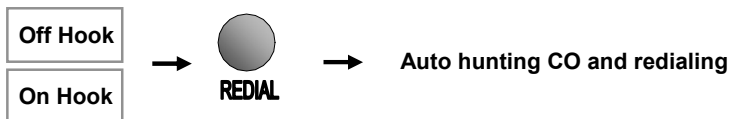
Refer to system programming.



Note:

1. Monitoring has different grades. The higher priority Ext. can monitor the lower, but equivalent parties cannot monitor each other.
2. There is no warning signal when monitoring.

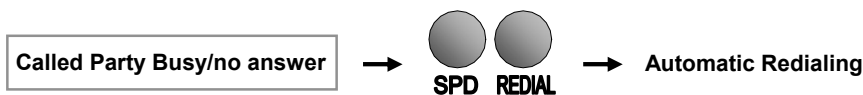
3.5.5 Last Number Redialing



Note: When last number redialing, system auto hunting CO Line.

3.5.6 Automatic Redialing

Dialing the telephone No. repeatedly



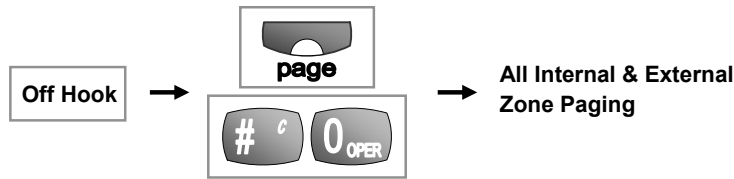
Note:

1. Refer to system programming for setting the auto-dialing times, dialing waiting time and auto-dialing alternate time.
- . When Operating this function, the “save” LED will flash quickly.

Paging Function

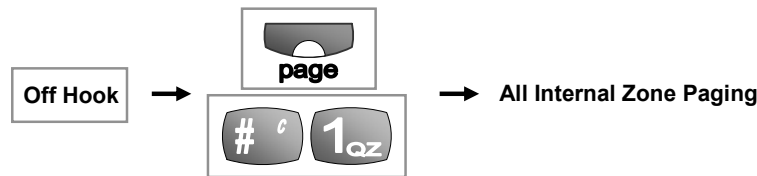
Paging
<p>DESC. :</p> <ol style="list-style-type: none"> 1. DV Series System provides one-touch Paging. 2. DV Series System provides 5 kinds of traditional paging mode. 3. DV Series System also provides one kind special paging function: CO Auto Paging. 4. Paging function is announced by a 1 second Indicator Tone.

3.5.7 All Internal & External Zone Paging



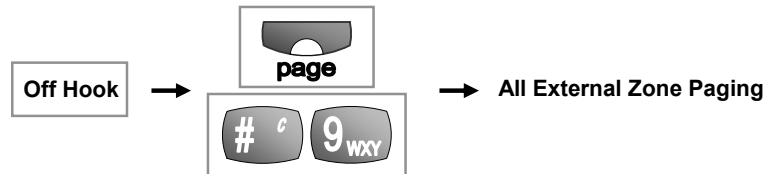
Note: “page” Key can be set as “All Internal & External Zone Paging”.
Refer to System Programming.

3.5.8 All Internal Zone Paging



Note: “page” Key can be set as “All Internal Zone Paging”.
Refer to System Programming.

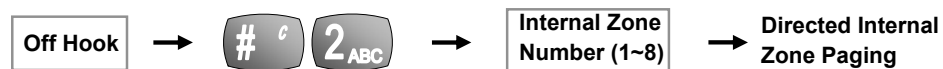
3.5.9 All External Zone Paging



Note: “page” Key can be set as “All External Zone Paging”.
Refer to System Programming.

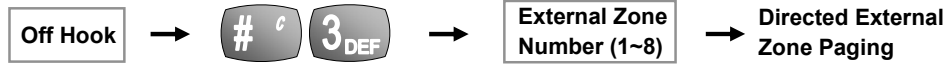
3.5.10 Directed Internal Zone Paging

Max: 8 Groups. Refer to “Internal-Grouping”



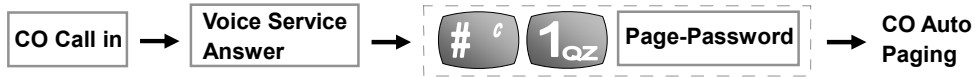
3.5.11 Directed External Zone Paging

Max: 8 Groups. Refer to “External-Grouping”



3.5.12 CO Auto-Paging

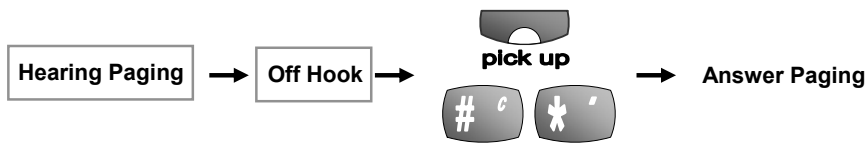
In conjunction with Voice Service Card



Note:

1. This function must be used with Voice Service card.
2. After the voice service answers the incoming call, a page-password is needed for “CO Auto-Paging” function.
3. After entering the correct page-password, you will hear the paging Indicator Tone.
4. Refer to system programming for page-password setting.
5. CO Auto Paging is to page all internal & external zones.

3.5.13 Meet Me Paging



Note: Refer to system programming for “Off-Hook to auto answer paging” function setting of Individual Ext.

3.6 Conference Calls

Special Features
<p>DESC. :</p> <ol style="list-style-type: none"> 1. Secret Conversation Release: Ext. whilst talking with Ext. /CO, permits a 3rd party extension to join the conversation. 2. Conference Calls: Ext. whilst talking with Ext. /CO, calling other Ext. /CO to join the conversation. 3. Tri-parties Converse: Ext. whilst talking with Ext. /CO, talking with other two CO lines by turns.

3.6.1 Secret Conversation Release

After Internal/External Secret Conversation is Released, any other extensions can join the conversation by calling the extension which has operated this function.



Note: Secret Converse Function permits one extension to join the conversation without Grade Control.

3.6.2 Conference Calls

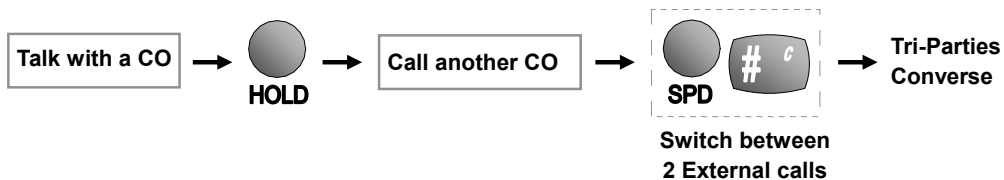
Maximum of Three (3) Parties



Note: Conference Calls Function permits “2 Ext. & 1 CO”, “1 Ext. & 2 CO” or “3 Ext.” to make a Conversation.

3.6.3 Tri-Parties Converse

This function permits an extension to talk with two CO lines by turns.



3.7 Additional Functions Operation

Other Function Operation
<p>DESC. :</p> <p>Additional functions include: Outgoing Dialing Signal Switch, Intercom Call Auto-answering, Back-ground Music, OHCA Enable, Baby Listening, Surroundings-Listening, System Data detection, Voice Service Setting.....</p>

3.7.1 Outgoing Dialing Signal Switch (Double Tone/ Pulse)

Only provides changing Pulse signal to Double Tone signal ◦



3.7.2 Intercom Call Auto-answering

Key Phone with hands free Speaker provides this function.

Auto-Answering Enable

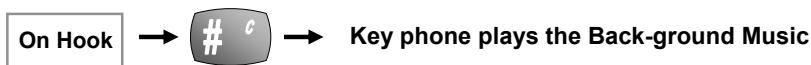


To Cancel

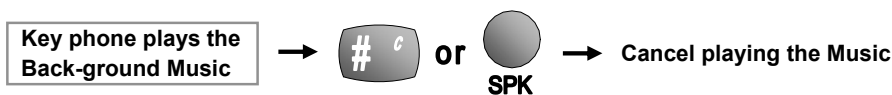


3.7.3 Back-ground Music

Back-ground Music Enable



To Cancel



Note: System provides to select Internal or External Back-ground music.

3.7.4 Off Hook Call Announcement (OHCA)

Only Phones with hands free Speaker provide this function.



Note: An OHCA Phone's Conversation-Circuit includes one handsfree Handset

3.7.5 Baby-Listening

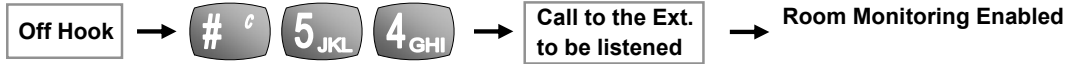


Note:

1. After Baby-room Ext. (with hands free speaker) Listening is enabled, any other extension can monitor the baby-room by calling the baby-room Ext.
2. This function will be cancelled by going Off-hook on the baby-room Ext.

3.7.6 Room Monitor

Refer to system programming.



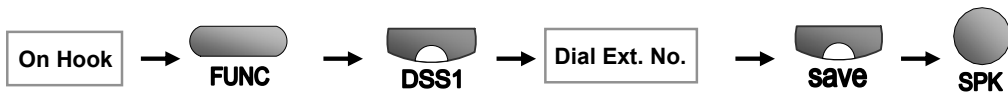
Note:

1. Only Phones with hands free Speaker provide this function.

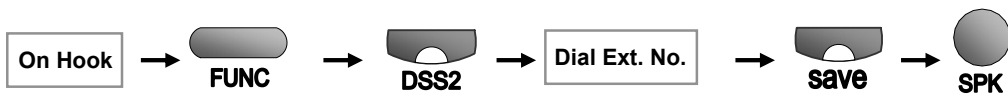
3.7.7 Hotel Account Setting

Only Consoles provide this operation.

Check In

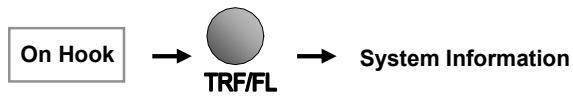


Check Out



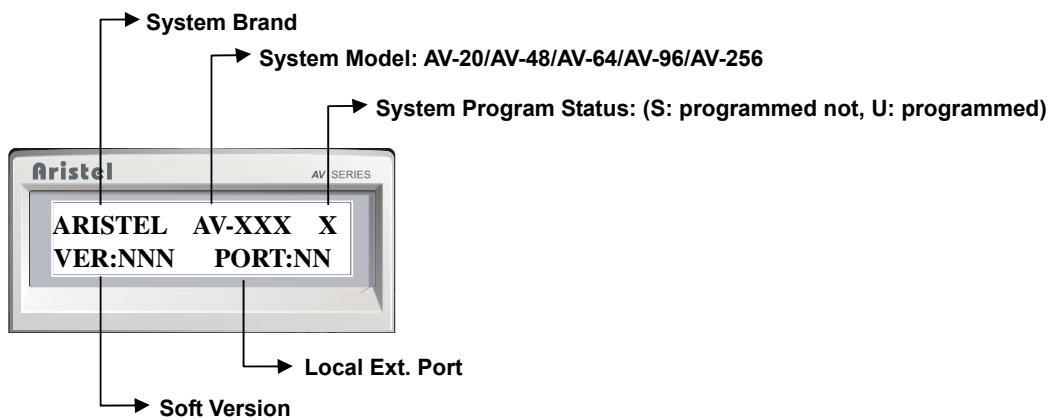
3.7.8 System Information Display

Only LCD Phones provide this function.



Note: During the System Data Detection, different system appears different message by pressing "TRF/FL" key continuously.

LCD Displays as below:

**3.7.9 Digital Voice Service Setting**

Note: If you have any queries of the voice setting, recording, planning or using, Please contact your **Aristel** authorized agent for help.

3.8 Ext. Individual Function Setting

Ext. Individual Function Setting
DESC. : Ext. Individual Function include: Account Code, Ext. Call Forwarding, Ext. password-protection and other common-use optional setting.

3.8.1 Account Code Operation

Refer to system programming.

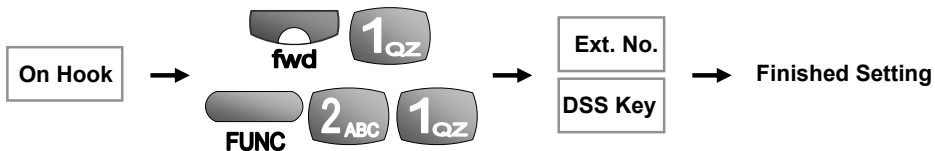


Note: Local Telephone sends out a warning tone if there is a password error.
At the same time, the LCD displays “Restricted”.

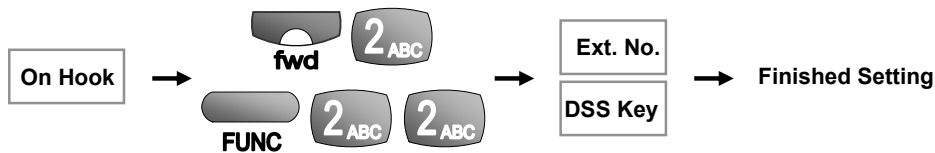
3.8.2 Ext. Call Forwarding

There are five modes of Call Forward.

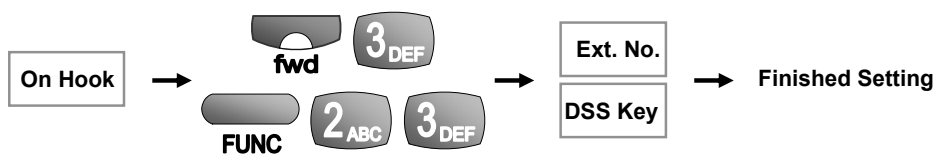
Call Forward--All: All Call Forward diverts all incoming calls to the directed Ext.



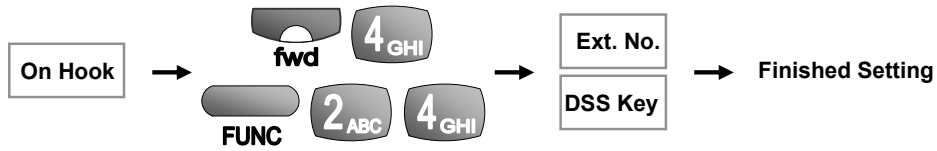
Call Forward--Busy: Busy Call Forward diverts calls immediately when your extension is in busy or in Do Not Disturb Mode.



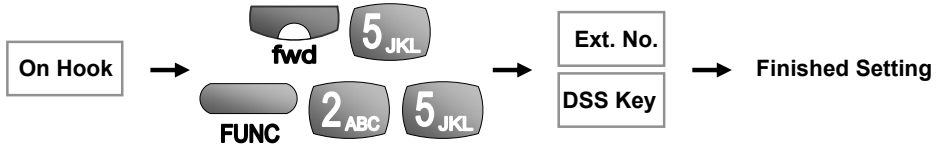
Call Forward--No Answer: No Answer Call Forward diverts calls which are unanswered after a specified period of time.



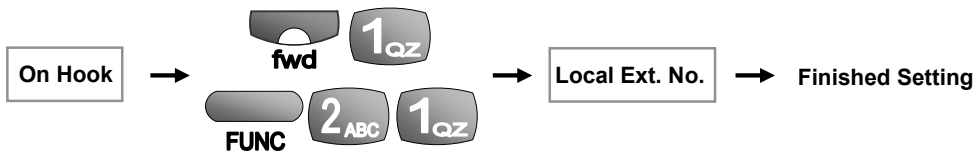
Call Forward--Busy/No Answer:



Call Forwarding Follow Me: This function permits you place your forwarding instructions from other extension to your own extension.



Cancel Call Forwarding: To cancel any mode of Call-Forward.



3.8.3 Individual Ext. Password Protection

Program



To Cancel



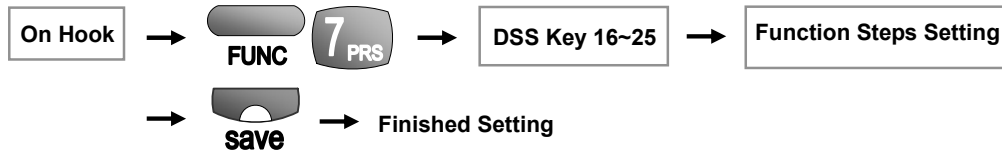
To Cancel Once: Cancel the Ext. Password Protection once. After using, the extension goes back to Password Lock.



3.8.4 Special Function Programming

Usual Function “One-Touch” Setting: to define DSS16~25 as Individual one-touch function key.

Program



Note: Maximum is 5 steps can be programmed.

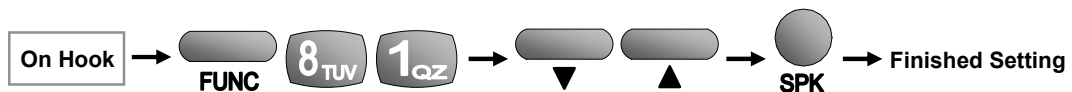
To Cancel



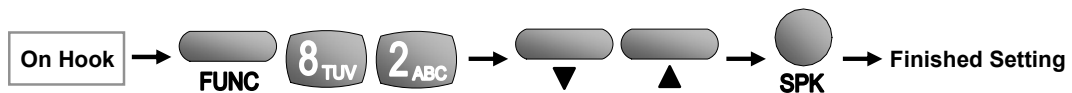
One-Touch Function Defined by System: Refer to system programming.

3.8.5 Handset Volume/Ring Settings

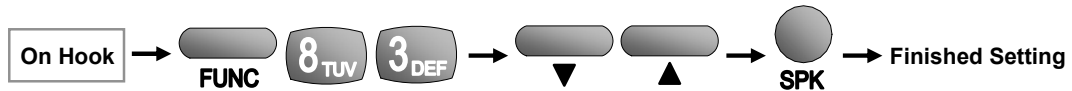
Ext. Ringing Volume Adjustment: 8 different Volume levels.



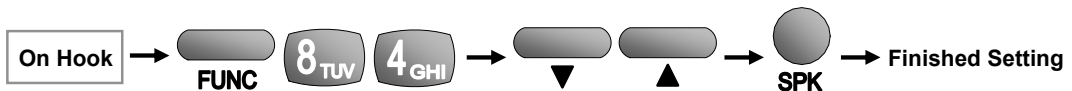
Speaker Volume Adjustment: 8 different Volume levels.



Handset Volume Adjustment: 8 different Volume levels.



Ext. Ringing Frequency Adjustment: 9 different frequencies.



Note: 1. Whilst adjusting the Ext. ringing frequency, the Ext. will remind the ringing as the selected ringing frequency.

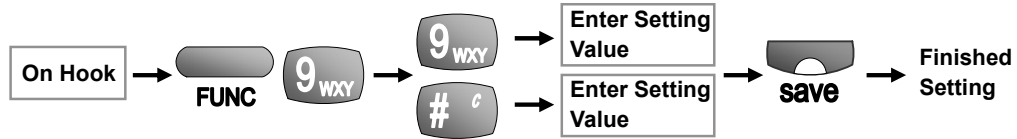
2. The Ext. will ring as per the selected ringing frequency after finished setting.
3. The system program *Zone 504-ST-05* also can change the ringing frequency.

3.8.6 Console's Local Alarm/System Time Setting

A LCD phone is suggested to be used as a console.

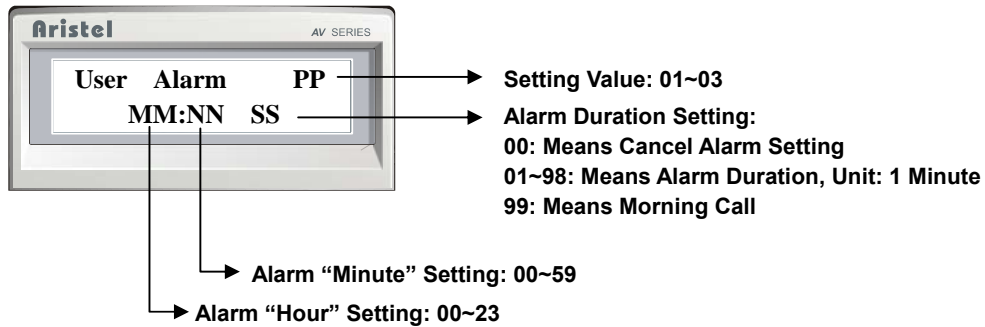
: "9" means to adjust the console's Local Alarm Clock;

"#" means to adjust the System Time.

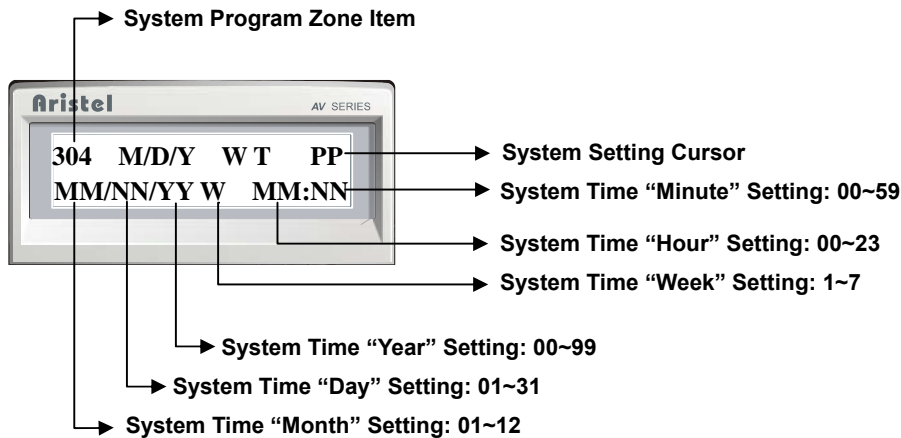


Note:

1. LCD Display for "Console's Local Alarm Clock setting":



2. LCD Display for "System Time Setting":



3.8.7 Other Ext. Alarm Programmed by consoles



Note:

LCD Displays as Chart 3.9.6 (LCD Display for “Console’s Local Alarm Clock setting”).

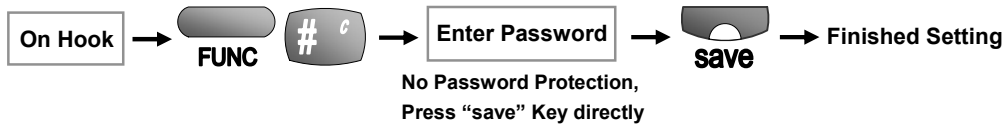
3.8.8 Common Ext. Local Alarm Setting

LCD Displays as Chart 3.9.6 (LCD Display for “Console’s Local Alarm Clock setting”).



3.8.9 System’s Program Setting

Please refer to *Zone 301 P=1* for System Program Entering Password setting.



Note: Please refer to the “System Program Manual” for the System Program Details.

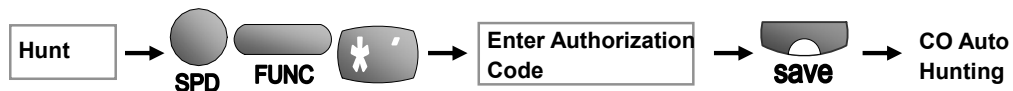
3.8.10 Ext. “USER HELP”



- Note:**
1. Pressing “0” after entering, LCD displays “USER HELP” of the current function.
 2. Pressing “#” after entering, LCD displays “USER HELP” of the next function.
 3. Pressing “*” after entering, LCD displays “USER HELP” of the above function.

3.8.11 Authorization Codes Operation

Refer to system programming.



Note: Operating an Authorization Code gives access to an unrestricted CO line without Accounting.

3.8.12 Leave-message Function Setting

Refer to system programming.



- Note:**
1. There is a total of 9 kinds of “Leave-message”; The higher priority Ext. can leave a message for a lower priority Ext, As well, equivalent Exts. can leave a message for each other.
 2. The “MSG” LED of the Extension with message will flash; at the same time, LCD displays the message information.
 3. The setting of SLT Leave-message is enabled/disabled by system programming

3.9 System Service Grade Setting

System Service Grade Setting
<p>DESC. :</p> <ol style="list-style-type: none"> 1. Only consoles can use this function. (Refer to system programming) 2. System Service Grade include: <ul style="list-style-type: none"> * Day Service * Night Service 3. There are 2 modes to switch the service grade: <ul style="list-style-type: none"> * Auto Switch Mode * Manual Switch Mode 4. System Service Grade Setting can change: <ul style="list-style-type: none"> * Extension Toll Control Mode, CO Line Ringing Mode, Extension Pick-Up CO Line Mode, DISA Mode.....

3.9.1 Day/Night Service Switch



- Note:**
1. Under Day/Night Service Switch Mode, Press “TRF/FL” Key to switch the Day/Night Service Grade.
 2. Day/Night service switched with an indicator Tone.
 3. Press “SPK” Key to exit setting status.

3.9.2 Manual/Auto Switch Mode

Auto Mode refer to system programming.



- Note:**
1. Under Manual Mode, You can switch the Day/Night Service Grade at any time.
 2. Under Auto Mode, You need to program the Day/Night Service.

LCD displays “AUTO”, means Day/Night service auto switch; “conf/dnd” LED flash quickly.

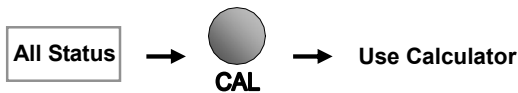
LCD displays "Manual", means Day/Night service manual switch; "conf/dnd" LED flash slowly.

3.10 Calculator and Phonebook Functions

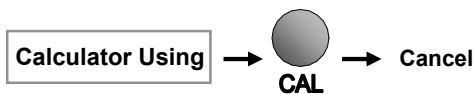
Calculator and Phonebook Functions
<p>DESC. :</p> <ol style="list-style-type: none"> 1. Calculator Function System provides Calculator Function under all Status. 2. Phone-Book Function <ol style="list-style-type: none"> (1) Missed: Missed Calls (2) Received: Received Calls (3) Dialed: Dialed Calls (4) Search Name: Search the Directory by Entering Name (5) Search Number: Search the Directory by Entering Phone Number (6) Add Contact: Add/Edit Contact

3.10.1 Calculator Function

Operate



Exit

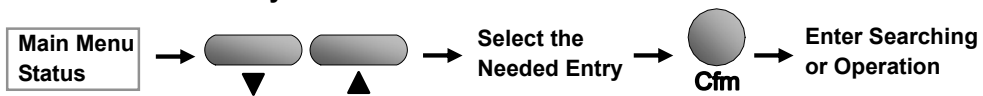


3.10.2 Phonebook

Enter/Exit Phonebook



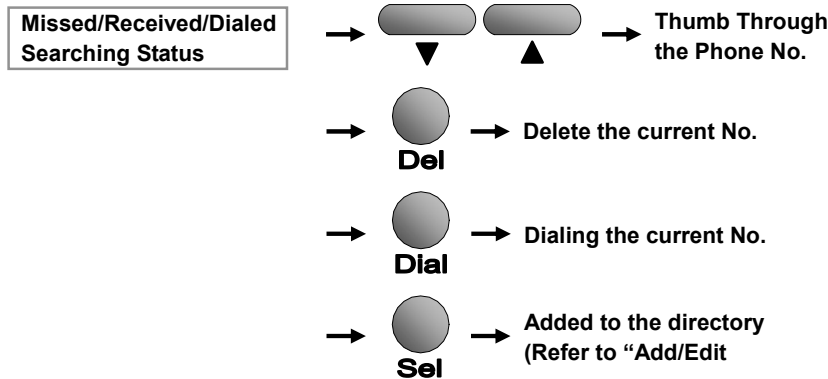
Select Needed Entry



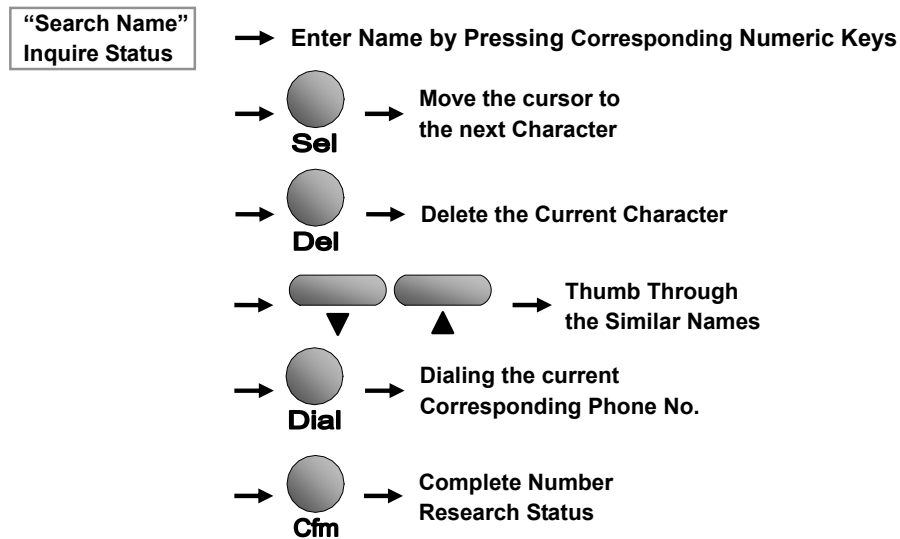
Menu Content: (1) **Missed:** Missed Calls
(2) **Received:** Received Calls

- (3) **Dialed:** Dialed Calls
- (4) **Search Name:** Search the Directory by Entering Name
- (5) **Search Number:** Search the Directory by Entering Phone Number
- (6) **Add Contact:** Add/Edit Contact

Missed/Received/Dialed Calls

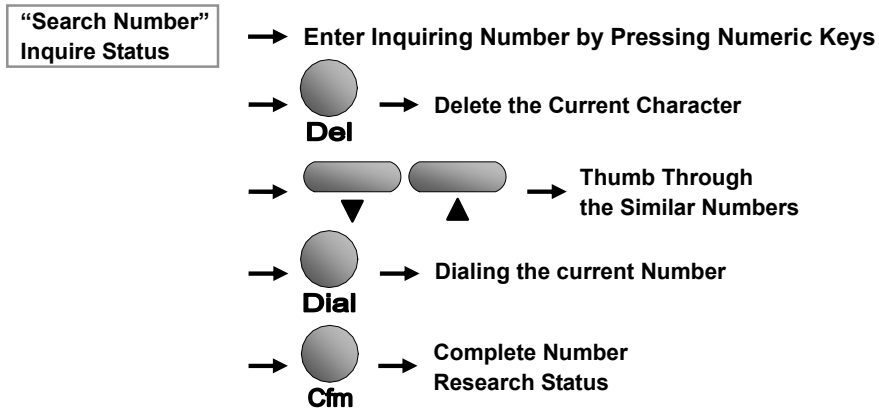


Search Name



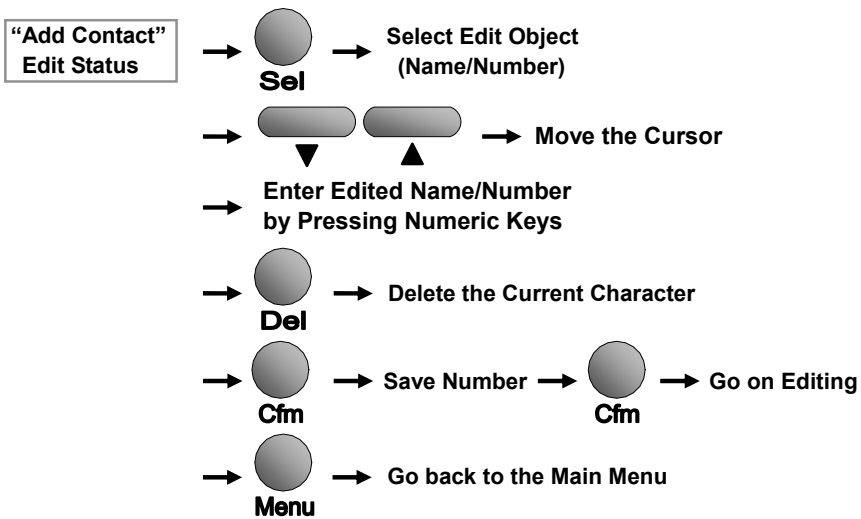
Note: LCD Displays "No Numbers" in the 2nd Row when no similar number found out.

Search Number



Note: LCD Displays “No Numbers” in the 2nd Row when no similar number found out.

Add/Edit Contact



Edit the Similar Numbers

