Aristel Networks

DV SERIES

HELP NOTES

Aristel DV-SERIES
HELP NOTES

INDEX

HELP NOTE # 1

HELP NOTE TITLE:- SLT Speed Dialing

Programming Individual Speed Dial Numbers.

Maximum:- 10 individual numbers (0~9)
NOTE! The SLT cannot program System Speed Dial Numbers.

1) Handset Off-Hook
2) Press #, 7, 8 (wait for 1 second confirmation tone)
3) Enter the single digit code (0~9)
4) Enter 00 for selecting any C.O. line, or 01 for line 1, 02 for line 2 etc.
5) Enter the telephone number to be dialed (no access digit)
6) Press # to confirm (wait for 1 second confirmation tone)
7) Hang-up the handset

To access and dial Individual Speed Dial Numbers.

1) Handset Off-Hook
2) Press #, 8, 1
3) Press 0 then the single digit code (0~9)
4) The C.O. line will be seized and the number dialed.

To access and dial System Speed Dial Numbers.

1) Handset Off-Hook
2) Press #, 8, 1
3) Dial the System Speed Dial 3 digit code (100~699)
4) The C.O. line will be seized and the number dialed.

NOTES.
Refer to the following programming zones
Zone 225
Zone 404
Zone 509

HELP NOTE # 2

HELP NOTE TITLE:- DSS 64 Consoles

DSS64 Console

The Console position (Operator) must be programmed and the DSS64 must be programmed as the same station number (Zone 502 Item 01) as the Console (Operator)

Programming

Section 1
Making the DSS64 the same station number as the assigned Console (Operator)

Eg: Console (Operator)= station 11 using port 141 and DSS64 using the next port
Port 141 will be assigned as station 11 by default in Zone 502 Item 01
Port 142 will need to be programmed as station 11 in Zone 502 Item 01
Port 143 will be assigned as station 13 by default in Zone 502 Item 01
Step 1. Enter programming Zone 502
Step 2. Enter port number for DSS64 (port 142)
Step 3. Enter Item number (01)
Step 4. Enter the Console station number (11)
Step 5. Save the data and exit programming.
Each Console (Operator Maximum=8)

Section 2
Assigning a DSS Key Layout Group number to the DSS64 Console

Step 1. Enter programming Zone 501
Step 2. Enter the Group Number for this particular Console (Operator 01)
Step 3. Enter the DSS Key number as the Item number
Step 4. The DSS key 5 will toggle the input between a Station number, a C.O. number, a Function number and a Speed Dial number.
Step 5. Enter the Station No., or C.O. No, or Function No., or the Speed Dial Code No..
Step 6. Save the data
Step 7. Continue with the rest of the DSS keys, or exit programming.

NOTE! THE DV38 MODEL CAN HAVE ONLY ONE DSS64 INSTALLED.

HELP NOTE # 3

HELP NOTE TITLE:- Split Company

Several companies can be programmed for a single DV system.
The companies can have:
1) Access to individual outgoing C.O. lines.
2) Access to individual incoming C.O. lines.
3) Only ring to and indicate individual incoming calls.

Outgoing access to individual C.O. lines.

Zone 603 assigns the C.O. lines to a "dial 9" group that can be selected by a station
Zone 503 Item 03 assigns the stations to a "dial 9" group.
There are 8 groups that can be used for the above functions.
Eg: Company A uses group 01 in Zone 603 and Zone 503 Item 03, and Company B can use group 02 in these zones.
Therefore, dialing 9 will only give access to the appropriate lines.

DSS button assignment.

The above steps will not prevent the stations from selecting the wrong lines by pressing the DSS buttons. To achieve this program Zone 222=1
However, if company A line keys are not wanted on company B stations, they will need to be de-programmed in Zone 500.
Create a new group(s) for the extra companies and assign the DSS keys as required.

Incoming ring assignment.

Zone 600 (day) and Zone 601 (night) assign the stations that will ring to incoming calls. Each company can be assigned to the appropriate C.O. in these Zones.

Incoming call Answer assignment.

Any station that has a DSS key C.O. line assigned to it, can answer a call by pressing the DSS key. If the stations are assigned to particular groups in Zone 503 Item 04 and the C.O. lines are also assigned in Zone 608, then the station can only answer the calls on lines that are assigned to it.

DISA/ C.O. line assignment.

Assign the Voice Channel to C.O. lines in Zone 609

Day/Night Transfer.

Night transfer will apply to all companies in the system. It is not possible to have separate night switching for the individual companies.

SMDR print-outs.

The SMDR will treat the system as a unit and will not differentiate between companies. i.e. the report will be the same as a system that is not split.

HELP NOTE # 4

HELP NOTE TITLE:- 16 Button Keyphones

The 16 button handset (DKP3?) has some major differences to the 25 button handset (DKP5?). These are:

Programming
The 16 button handset has a different layout for programming.

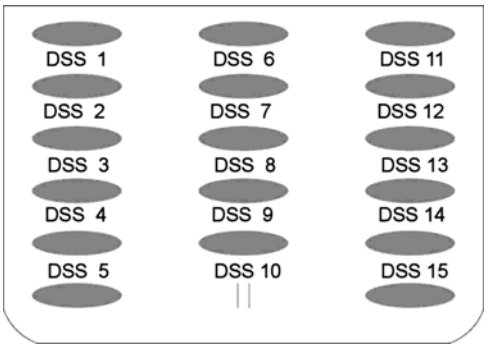
Calculator
The calculator function is not available on the 16 button handsets.

Reminder and Camp-on tones
These tones will be heard through the earpiece and not the station speaker as with the 25 button handsets. The tones can be removed by making Zone 502 Item 07 = 7.

Headsets
If a headset is fitted to a 16 button handset, the only audible ringing signal available is through the earpiece. This means if the operator has taken off the headset, no audible signalling will be heard.

OHCA
The OHCA feature is not available on the 16 button handset.

DSS Button Layout and programming functions.



DSS 1	**BACKWARDS**	**DSS 6**	**HELP**	**DSS 11**	**SAVE**
DSS 2	**FORWARDS**	**DSS 7**		**DSS 12**	**TONE**
DSS 3	**LEFT**	**DSS 8**		**SPD**	**PAUSE**
DSS 4	**RIGHT**	**DSS 9**		**DSS 13**	**DON'T CARE**
DSS 5	**CHANGE**	**DSS 10**	**CLEAR ALL**	**DSS 14**	**CLEAR DIGIT**
FUNC		**VOL CNTL**		**DSS 15**	

HELP NOTE # 5

HELP NOTE TITLE:- Keyphone features

Forced Account Code	FUNC, 1, Forced Account Code.
Forward All	FUNC, 2, 1, station number or press DSS button.
Forward Busy	FUNC, 2, 2, station number or press DSS button.
Forward No Answer	FUNC, 2, 3, station number or press DSS button.
Forward Busy or No Answer	FUNC, 2, 4, station number or press DSS button.
Follow me	FUNC, 2, 5, station number.
External Call Forward	FUNC, 2, 6, speed dial code. (DSS button or 0~9)
Security Code	FUNC, 3, security code
Temporary lock/unlock	FUNC, 4, security code
Macro key assignment	FUNC, 7, DSS key (16~25), Key function.
Ring volume	FUNC, 8, 1, use the volume bar to increase or decrease volume.
Speaker volume	FUNC, 8, 2, use the volume bar to increase or decrease volume.
Handset volume	FUNC, 8, 3, use the volume bar to increase or decrease volume.
Ring frequency	FUNC, 8, 4, use the volume bar to increase or decrease ring frequency.
User Alarm (Non-Console only)	FUNC, 9, time (HH:MM), duration (MM), save. If duration=99 then call will be Wake Up service call.
User Alarm (Console only)	FUNC, 9, 9, time (HH:MM), duration (MM), save. If duration=99 then call will be Wake Up service call.
Date/Time (Console only)	FUNC, 9, #, date and time.
Func help list (scrolling)	FUNC, 0
Night switch auto/manual	FUNC, trf/fl, *
Day Night manual toggle	FUNC, trf/fl, trf/fl
System Spd Dial (Console only)	FUNC, spd, 1, number
Individ. Spd Dial (Console only)	FUNC, spd, 2, number
Extension Naming (Console only)	FUNC, spd, 3, Ext N^{o}, save, enter Extension name, save
Individ Spd Dial number	FUNC, spd, number or press DSS button
Display Do not disturb message	FUNC, hold, 1
Display Back at message	FUNC, hold, 2
Display Not in office message	FUNC, hold, 3
Display Return on message	FUNC, hold, 4
Display Ring my mobile message	FUNC, hold, 5
Display Call message	FUNC, hold, 6
Individual station alarm (Console)	FUNC, REDIAL, Ext No, time (HH:MM), duration (MM), save. If duration=99 then call will be Wake Up service.
Open door latch	Talk door 1 or 2, press 0
Toggle intercom signalling	Station number, *
Pick up ringing station	Off-Hook, Station number, *
C.O. access	Off-Hook, #, 4, 0, CO N^{o} (1~0) NOTE! # or * can be used.
B.G.M. On/Off	#
Trunk Auto-Accessing	Off-Hook, #, 5, 0
Baby Monitoring	Off-Hook, #, 5, 1
Fire Alarm reset	Off-Hook, #, 5, 2
Lock/Unlock SMDR	Off-Hook, #, 5, 3, password (rs232)
Environment Monitor	Off-Hook, #, 5, 4
SOS Alarm turn off	Off-Hook, #, 5, 5, password (same as rs232)
Headset enable/disable	Off-Hook, #, 5, 6, password
SOS Alarm turn on	Off-Hook, #, 5, 7, password (same as rs232)

Continued next page.

HELP NOTE # 5 (continued)

HELP NOTE TITLE:- Keyphone features

Hook-Flash to line on call	During call, #, 5, 9
Door 1 talk	Off-Hook, #, 6, 1.
Door 2 talk	Off-Hook, #, 6, 2.
Call Voice channel 1	Off-Hook, #, 6, 3
Call Voice channel 2	Off-Hook, #, 6, 4
Zone pickup All groups	Off-Hook, *, 0
Zone pickup Own group	Off-Hook, *, 1
Zone pickup Groups 1~8	Off-Hook, *, 2, group number (1~8)
Zone pickup Ringing station	Off-Hook, *, 3, station number
Paging All internal & external	Off-Hook, #, 0
Paging All internal	Off-Hook, #, 1
Paging Internal Zone Number	Off-Hook, #, 2, zone number
Paging External Zone Number	Off-Hook, #, 3, zone number
Page answering	Off-Hook, #, *
Paging All external	Off-Hook, #, 9
Conference Call	Station A, Hold, Station B, Conf.
Toll password operation	Seize line, SPD, Func, *, password, save

HELP NOTE # 6

HELP NOTE TITLE:- SLT feature codes

Toggle intercom signaling	station number, *
Access C.O. lines (01~20)	#, 4, 01~20 **NOTE!** # or * can be used for this function
Fire Alarm reset (Console only)	#, 5, 2
Lock/Unlock SMDR (Console only)	#, 5, 3, password
Environment Monitoring	#, 5, 4
SOS alarm turn off	#, 5, 5, password
Headset toggle	#, 5, 6, password (same as rs232 password)
SOS alarm turn on	#, 5, 7, password (same as rs232 password)
Hook Flash to CO (hook-flash)	#, 5, 9
Door 1 talk	#, 6, 1
Door 2 talk	#, 6, 2
Call Voice channel 1	#, 6, 3
Call Voice channel 2	#, 6, 4
Temporary unlock station	#, 7, 0, password Enabled by #77
Call Forward All	#, 7, 1, Ext Number
Call Forward Busy	#, 7, 2, Ext Number
Call Forward No Answer	#, 7, 3, Ext Number
Call Forward No Answer or Busy	#, 7, 4, Ext Number
Follow Me	#, 7, 5, Ext Number
Do Not Disturb Enable	#, 7, 6, 1
Do Not Disturb Disable	#, 7, 6, 2
External Call Forwarding (Func,2,6)	#, 7, 6, 3, speed dial code (0~9)
Calls go direct to Voice Mail Box	#, 7, 6, 7 Toggle On/Off
Enable/disable the Voice Mail Box	#, 7, 6, 8 Toggle on/off
Temporary lock station	#, 7, 7, password , # This will enable #70
Set up Individual Speed Dial Number	#, 7, 8, speed dial code (0~9), CO N^{o} (00~??) [00=any CO], telephone. N^{o}, #
Alarm time Individual	#, 7, 9, HH, MM, Duration (mins), #
Forced Account Code	#, 7, *, FAC code
Call Park	Hook-Flash, #, 8, 0, 0~9
Call Park Retrieval	#, 8, 0, 0~9
Speed Dial Individual	#, 8, 1, 0, speed dial code (0 ~ 9)
Speed Dial System	#, 8, 1, speed dial code
Redial	#, 8, 2
Retrieve call from hold	#, 8, 3
Message Wait signal on	8, 1, station number
Message Wait signal off	8, 2, station number
Door Latch open	Talk door, 0
Paging All Internal & All External	#, 0
Paging All External	#, 9
Paging All Internal	#, 1
Page Pickup	#, *
Page External Zone Number	#, 3, Zone number (1~8)
Page Internal Zone Number	#, 2, Zone number (1~8)
Pickup All	*, 0
Pickup Own Group	*, 1
Pickup Group	*, 2, group number (1~8)
Pickup Ringing Station	*, 3, station number
Conference call	Ext A, Hook-flash, Ext B, Hook-flash, 3

HELP NOTE # 7

HELP NOTE TITLE:- Basic DV programming

ENTERING SYSTEM PROGRAMMING:
25 or 16 Button Handset with display func, #, password, save
NOTE! Use the func button to return to the programming Main Menu level at any time.

PROGRAM INITIALIZATION:
Step 1 Zone 300
Step 2a Press 1 to reset site data only
Step 2b Press 2 to reset site data and also clear all speed dial codes
Step 2c Press 4 to clear Hotel/Motel records only
It is strongly recommended that a system be reset before installation and initial programming

Station Number length	Zone 205	2, 3, or 4 digit length
Station/Port number allocation	Zone 502 Item 01	Station number can be altered here NOTE. DSS5 allows station to be named
Omit vacant CO lines	Zone 603	Omit CO lines not installed (dial 9)
Date and Time setting	Zone 304	
Set 12 or 24 hour clock format	Zone 204	
Set day and night times.	Zone 306	Sets day and night times for each day
Set mid-day time	Zone 308	Sets the lunch time play period
Toll Restrictions		
Common Allowed Codes	Zone 406	
Common Disallowed Codes	Zone 407	Common Disallowed Codes over-ride Common Allowed Codes
Restriction Level (Layer)	Zone 503 Items 5 & 6	Sets restriction level for day & night
0= Unrestricted		
1= Local numbers only		Checks office codes for local call definition
2= Common Allowed Codes Only		
3= Can dial any number except Common Disallowed		
4, 5, & 6= Allowed Area and Office Codes only		Checks for allowed office and area codes

HELP NOTE # 8

HELP NOTE TITLE:- Alarms

The DV Series has 3 types of alarms that can be used:
1) Break in Alarm
2) Fire Alarm
3) SOS Alarm

Each of these alarms is triggered by the Sensor input into the DV. The type of alarm for the Sensor is programmed in Zone 303.

Zone 303 programmable functions
00= No alarm operation
01= Fire Alarm (continuous alarm)
02= Break In Alarm (interrupted alarm)
03= Door 1 Sensor
04= Door 2 Sensor
05= Operate Relay enable
06= SOS Sensor
07= SOS Sensor and operate relay enable
The Sensor can be programmed to operate with either normally open contacts (Sensor activated by short circuit), or with normally closed contacts (Sensor activated by open circuit)

BREAK IN ALARM
This is an alarm that will cause all idle keyphones to ring continuously. The ringing will cease only when the sensor is restored to the idle condition. An individual station can be silenced by lifting off and hanging up. However, the display will still show "Break Alarm!!!" until the sensor is clear. A busy keyphone will not respond to the alarm trigger.
SETTING UP BREAK IN ALARM
Zone 303 Item 01 ….. Set this to 02
Zone 303 Item 02 ….. Set this to 00 for normally open or 01 for normally closed contacts

FIRE ALARM
When the alarm is triggered, all idle stations will ring continuously and all busy stations will emit the alarm tone. All display handsets will show "Fire-alarm!!!". This condition will remain until the alarm is reset by a handset going off-hook and dialing #,5,2
SETTING UP FIRE ALARM
Zone 303 Item 01 ….. Set this to 01
Zone 303 Item 02 ….. Set this to 00 for normally open or 01 for normally closed contacts

SOS ALARM
When the sensor is triggered the following action takes place
1. The system disconnects all CO lines in use
2. The main Console will display "SOS ALARM"
3. The system seizes a CO line and dials a preset speed dial number
4. The called party will hear the 1st message in voice channel number 1

The SOS alarm can be cancelled by
Off-Hook, #, 5, 5, password
The SOS alarm can then be re-armed by
Off-Hook, #, 5, 7, password
SETTING UP SOS ALARM
Zone 303 Item 01 ….. Set this to 06
Zone 303 Item 02 ….. Set this to 00 for normally open or 01 for normally closed contacts
Zone 136 Set this for the delay time from when SOS is triggered to when the outgoing call is made
Zone 243 This sets the number of times that the caller will hear the message repeated
Zone 301 Item 02 ….. This sets the password for canceling and re-arming the SOS Alarm
Zone 404 spd:111~118 ….. This sets the number(s) to be dialed for the SOS Alarm

HELP NOTE # 9

HELP NOTE TITLE:- DISA guide

The following Zones are involved in DISA operation…

Zone 221 Enables reminder message and MOH when DISA is transferring a call
Zone 246 Enables copying from the 1st channel to the other channels
Zone 609 Assigns the CO lines that each channel will answer
Zone 402 Tells the system in what order you recorded the messages.
THIS MUST BE EXACTLY CORRECT OR WRONG MESSAGES WILL BE PLAYED!

Recording the messages…

Off-Hook, #, 6, 3 is for channel 1
Off-Hook, #, 6, 4 is for channel 2

Zone 604 Item 03 Enables DISA/ECF for day and/or night
Zone 604 Item 04 Assigns the speed dial code to be used for the ECF function

Zone 116 Time that DISA will ring an non-answering extension before it transfers the call to a console
Zone 117 The time that DISA will wait for digits to be dialed after playing messages 1 or 19
Zone 118 Time delay before DISA will answer an incoming call
Zone 133 When DISA has transferred a call to the Console, it will ring the Console for the time set here. This cycle will be repeated three times if Zone 218 is not 0, or the call will be terminated if Zone 218 = 0.
Zone 119 This is how long a call will last when it is call forwarded to an external number

Zone 218 This allows or disallows DISA to transfer calls
Zone 219 Assigns to where DISA will transfer a call
Zone 400 These groups assign the Consoles to the groups

Zone 238 Enables or disables single digit dialing for DISA
Zone 607 Assigns stations to the single digit dialing groups for DISA

HELP NOTE # 10

HELP NOTE TITLE:- Setting up Loud bells

The contacts from the system relay DO NOT provide any voltage! They are dry contacts that are normally open (24V DC 1A Max). These contacts may be used to control an external power source, or the 24V DC from the KSU.

STATION LOUD BELL

The selected relay will operate whenever a call is made to the selected station. Program as below

Zone 302, Item is relay number = 05	Sets which relay to operate as a station loud bell
Zone 504, Ext N^{o} , Item 04 = relay N^{o}	This tells the station which relay to operate

CO LOUD BELL

The selected relay will operate when an incoming call is on the selected CO line. Program as below

Zone 302, Item is relay number = 04	Sets which relay to operate as a CO loud bell
Zone 604, CO N^{o} , Item 06 = relay N^{o}	This tells the CO which relay to operate

HELP NOTE # 11

HELP NOTE TITLE:- Remote Relay operation

The relay can be operated through remote DISA access.

1. The caller rings the system.
2. DISA answers the call.
3. Caller enters the relay operating code (see chart below).
4. Caller receives confirmation tone (steady tone).
5. Enter the DISA password (Zone 301 Item 03)
6. Hang up.

Note! The DISA function must be programmed for this function to work.

RELAY OPERATING CODES

# 4 4 1	SWITCH ON RELAY NUMBER 1
# 4 5 1	SWITCH OFF RELAY NUMBER 1
# 4 4 2	SWITCH ON RELAY NUMBER 2
# 4 5 2	SWITCH OFF RELAY NUMBER 2
# 4 4 3	SWITCH ON RELAY NUMBER 3
# 4 5 3	SWITCH OFF RELAY NUMBER 3
# 4 4 4	SWITCH ON RELAY NUMBER 4
# 4 5 4	SWITCH OFF RELAY NUMBER 4
# 4 4 5	SWITCH ON RELAY NUMBER 5
# 4 5 5	SWITCH OFF RELAY NUMBER 5
# 4 4 6	SWITCH ON RELAY NUMBER 6
# 4 5 6	SWITCH OFF RELAY NUMBER 6
# 4 4 7	SWITCH ON RELAY NUMBER 7
# 4 5 7	SWITCH OFF RELAY NUMBER 7
# 4 4 8	SWITCH ON RELAY NUMBER 8
# 4 5 8	SWITCH OFF RELAY NUMBER 8

HELP NOTE # 12

HELP NOTE TITLE:- ECF (Func, 2,6)

Any call can be transferred to an external number by the method listed below. The call time is set by Zone 119, but can be extended by pressing any digit except *. Pressing * will immediately terminate the call.

Incoming calls, intercom calls and transferred calls that have been answered by a human or DISA will be conferenced with another CO call to the Individual Speed Dial number nominated.

Programming required.
Zone 119 ….. Sets the time limit for the call to remain connected. To extend the time during a call, press any digit except *. This will allow the connection to remain for another duration as set in Zone 119. To terminate a call, press *. If the * is not pressed and the parties hang up, the connection will still be held for the remainder of the time in Zone 119.

Operation for a Keyphone.
An individual Speed Dial Number must be assigned to either a DSS button or a Speed Dial Code. The station to be forwarded must do the following steps

1. On-Hook
2. Press func
3. Press 2
4. Press 6
5. Press the DSS button or the code 0~9

Operation for an SLT.
Programming an individual Speed Dial number

1. Off-Hook
2. Press #
3. Press 7
4. Press 8
5. Press Speed Dial Code (0~9)
6. Enter 00 for any CO line or enter the CO number
7. Enter the telephone number
8. Press # to confirm
9. Hang-Up

Using Func, 2, 6 at an SLT

1. Off-Hook
2. Press #
3. Press 7
4. Press 6
5. Press 3
6. Enter the Speed Dial Code

To remove the forwarding:-

1. Off-Hook
2. Press #
3. Press 7
4. Press 1
5. Enter the extension number

HELP NOTE # 13

HELP NOTE TITLE:- Console Assignment

The chart below shows the functions of the various Console Groups assigned in Zone 400

Zone 400 Group Number	1st Console (Item 01)	2nd Console (Item 02)	3rd Console (Item 03)	4th Console (Item 04)
Z400-Grp 01	Main Console Will display "Night Service" Rings when Zone 201 Operator code is dialed	 Conf/DND button will flash during Night Service Rings if Operator code is dialed and 1st Console is busy	 Conf/DND button will flash during Night Service Rings if Operator code is dialed and 1st & 2nd Consoles are busy	 Conf/DND button will flash during Night Service Rings if Operator code is dialed and 1st, 2nd & 3rd Consoles are busy
Z400-Grp 02	As above	As above	As above	As above
Z400-Grp 03	As above	As above	As above	As above
Z400-Grp 04	As above	As above	As above	As above
Z400-Grp 05	Voicemail port. Z502 Item 02=7	Voicemail port. Z502 Item 02=7	Voicemail port. Z502 Item 02=7	Voicemail port. Z502 Item 02=7
Z400-Grp 06	DISA No Answer transfer extension during Night mode, if Zone 219=5	DISA No Answer transfer extension during Night mode, if Zone 219=5	DISA No Answer transfer extension during Night mode, if Zone 219=5	DISA No Answer transfer extension during Night mode, if Zone 219=5
Z400-Grp 07	If Zone 218=1 or 2 or 3, DISA transfers to here if Consoles in Z400 Grp 01 are busy for 3 attempts	This station is used for remote programming. The station must be actually provided		This console is the console that will be Func, 2, 6 forwarded to if set for forwarding.
Z400-Grp 08	If Zone 246=2 or 3, only this station can record messages on the Voice Service Card			

HELP NOTE # 14

HELP NOTE TITLE:- Programming DSS Keys

The DSS buttons for the keyphones can be programmed into 8 different groups or pages. These groups can assign a different function to the DSS buttons. By default, the following functions are assigned to the keys:-
Group 1 .. DKP50 Series without Call Appearance buttons.
Group 2 .. DKP50 Series with Call Appearance buttons.

Group 3 .. DKP30 Series without Call Appearance buttons.
Group 4 .. DKP30 Series with Call Appearance buttons.

Group 5 .. KP10 Series without Call Appearance buttons
Group 6 .. KP10 Series with Call Appearance buttons.

Group 7 .. KP10X Series without Call Appearance buttons
Group 8 .. KP10X Series with Call Appearance buttons
A keyphone can switch between the two pages (functions) by pressing the 2nd page DSS button.
Note! A 2nd page button must be programmed on the second page as well as the first page

Programming functions to a button in a group.
Zone 500
Group number is the group as defined above
Item is the particular DSS button to be programmed (1~16 or 1~25)
DSS button 5 (right hand side on bottom row) is used to toggle between
a) CO
b) Station number
c) FN (function)
The data can then be entered and saved in the normal manner.
A listing of the functions available is in the programming manual in Zone 501.
Programming stations to a DSS layout group
Zone 503
Enter the station number to be programmed
The Item number is 02 for the 1st page and Item 08 for the 2nd page

The DSS64 consoles can also have several groups of DSS key functions. This could be for a large installation where the Console Operator requires more than 64 buttons for the COs, Stations, Functions and Speed Dial buttons. Or where there is more than one Operator, and each Operator requires a different layout pattern.

Programming DSS key functions to a DSS64 console
Zone 501
Group number is the group for the maximum of 8 groups
Item is the particular DSS button to be programmed (1~64)
DSS button 5 (right hand side on bottom row) on the keyphone assigned to the DSS64 is used to toggle between
1) CO
2) Station number
3) FN (function number)
4) Speed Dial Code number
The data can then be entered and saved in the normal manner.
A listing of the functions available is in the programming manual in Zone 501.
Programming a DSS64 console to a DSS layout group
Zone 502
Port is the port number where the DSS64 is connected
Item is 03
The group number can now be entered and saved as normal

HELP NOTE # 15

HELP NOTE TITLE:- Door Station

Door Station Installation wiring
The Door Station connects to the KSU in various methods depending on the system type as below.
All Door Stations are two wire circuits.

DV-38	Connects to the MFC card. 1st pair = Door 1 & 2nd pair = Door 2

Door Latch Installation wiring
The Door latch will require a power source to be connected in series with the relay (switch) contacts on the KSU as below.

DV-38	Connects to the MFC card. 5th pair = relay 1 & 6th pair = relay 2

Door Sensor Installation wiring
The Door Sensor is an input into the DV that can be used to trigger the system into programmed action

DV-38	Connects to MFC card 3rd pair = Sensor 1 & 4th pair = Sensor 2

Programming Zones related
Zone 124:- No function.
Zone 131:- Delay time after door button pushed until stations ring to Door Station activation
Zone 244:- Day, Night or Day and Night ringing for the stations when Door Station is activated
Zone 249:-Type of ringing signal used by the Door Station
Zone 302:- The relay function (Door Latch)
Zone 303:- The Sensor function (Door Switch)
Zone 602:- Which stations will ring when the Door Station is activated

HELP NOTE # 16

HELP NOTE TITLE:- Colour code for Tails

PAIR NUMBER	COLOUR			MATE	
1	BLUE			WHITE	
2	ORANGE			WHITE	
3	GREEN			WHITE	
4	BROWN			WHITE	
5	GREY			WHITE	
6	BLUE/WHITE			WHITE	
7	BLUE/ORANGE			WHITE	
8	BLUE/GREEN			WHITE	
9	BLUE/BROWN			WHITE	
10	BLUE/GREY			WHITE	
11	ORANGE/WHITE			WHITE	
12	ORANGE/GREEN			WHITE	
13	ORANGE/BROWN			WHITE	
14	ORANGE/GREY			WHITE	
15	GREEN/WHITE			WHITE	
16	GREEN/BROWN			WHITE	
17	GREEN/GREY			WHITE	
18	BROWN/WHITE			WHITE	
19	BROWN/GREY			WHITE	
20	GREY/WHITE			WHITE	
21	BLUE			YELLOW	
22	ORANGE			YELLOW	
23	GREEN			YELLOW	
24	BROWN			YELLOW	
25	GREY			YELLOW	

HELP NOTE # 17

HELP NOTE TITLE:- Name Speed Dialing

To use the Name Speed Dial feature, a "Name" DSS button must be programmed for the keyphones. See help Note #14 for DSS button programming.
Enable Zone 227. Zone 227 Allows Name Speed Dial to be used by the system
WARNING! Converting from Non-name to Name speed dial, may cause loss of current spd codes

Storing a name in Name Speed Dial (Console only)
Step 1. Press func, spd, 1
Step 2. Enter the code number to be stored in
Step 3. Enter 0, 1
Step 4. Enter the telephone number to be stored
Step 5. Press save
Step 6. Enter the name to be stored (use DSS 3 & 4 to move cursor)
Step 7. Save the data
Step 8. Press spk to exit program

To access Name Speed Dial
Step 1. Press the DSS button programmed as Name
Step 2. Enter the 1st letter of the desired name
Step 3. Press DSS button 1 to confirm the correct letter
Step 4. Scroll up or down through the stored names using DSS buttons 1 and 2
Step 5. Press spk or go off-hook to dial the selected person

DID NAME/NUMBER DISPLAY OPTIONS
With the programming as below, the system will display the **calling name**.
If Z227=1 and named speed dials are entered into Z404, the display will show the calling name if a match is found with the CLI number from the carrier.
Eg: A call is placed from 0398372301 to 0298771234
Zone 227 = 1
Zone 404 code xxx = 0398372301 / Ralph Robinson
Zone 610 has 34
Zone 611 has a target extension number (14)
The incoming call will display the calling number (0398372301) and the calling name Ralph Robinson on extension 14.
If the system is to display the **called name** in lieu of the calling name, the following programming is required
Zone 227 = 1
Zone 225 = a number greater than 0
Zone 404 Code 201 has 234 / Service

The following chart is used by the system (AV256 example)

Zone 610	Set # used in Z610	Zone 611	Set # used in Z611	Zone 404 Code data	Code number used in Zone 404
34	**001**	**14**	**001**	**34**	**201**

The last digits of the called number are placed in a set in zone 610 and the same number is placed in zone 404 in a code whose number is calculated by adding 200 to the set used in zone 610. Also programmed in this zone 404 code is the name Service.
The destination extension is placed in zone 611 in the same set as used in zone 610
The incoming call will display the name Service and the calling number 0398372301 at extension 14.

The system can display the calling name and number, or it can display the called name with calling number. It cannot display the calling and called names together.

HELP NOTE # 18

HELP NOTE TITLE:- External Call Forward

An incoming call to the system will be answered and the following will take place

1. A free CO will be seized
2. A call will automatically be placed to a programmed Speed Dial Number
3. The two calls will be in a conference call together
4. The call will have a duration as programmed in Zone 119
5. The call may be terminated at any time by pressing the * button
6. The call may be extended for another period (Zone 119) by pressing any button except *

Programming External Call Forward

a. Zone 604, CO = CO number that is to be answered, Item = 03
b. Enter the desired data from the chart as shown

Zone data	DISA	External Call Forward
0	NO	NO
1	NIGHT	NO
2	DAY	NO
3	DAY & NIGHT	NO
4	NO	NIGHT
5	NO	DAY
6	NO	DAY & NIGHT
7	DAY	NIGHT
8	NIGHT	DAY

c. Enter the code for which Speed Dial Number is to be dialed. (see chart below)

Zone data	Speed Dial to be Dialed for E.C.F.
0	Disable the ECF function.
1	ECF to use SPD code 101
2	ECF to use SPD code 102
3	ECF to use SPD code 103
4	ECF to use SPD code 104
5	ECF to use SPD code 105
6	ECF to use SPD code 106
7	ECF to use SPD code 107
8	ECF to use SPD code 108
9	ECF to use SPD code 109

d. Save the data
e. Enter Zone 404
f. Enter the 3 digit Speed Dial Code for number storage
g. Enter 01
h. Enter the Speed Dial Number to be dialed
i. Save the data
j. Enter Zone 119
k. Enter the desired call duration time in seconds
l. Save the data

Operation of ECF

Place call into system.
Call will be answered
Call will be transferred to the Speed Dial Number as selected.

HELP NOTE # 19

HELP NOTE TITLE:- RS232 Cables

Baud rate **2400**
Data **8**
Stop **1**
Parity **No Parity**

DV SYSTEM DB9	PRINTER/COMPUTER DB9
6	6
5	5
4	4
3	3
2	2

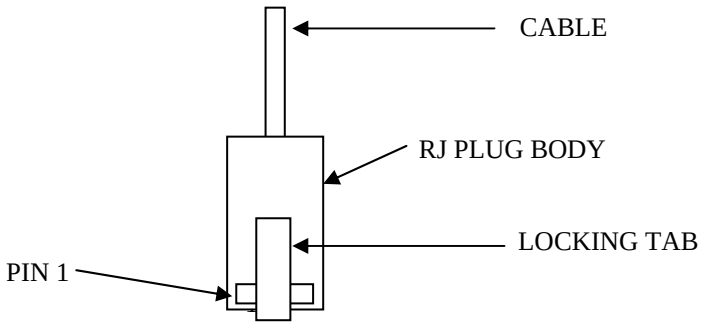
DV SYSTEM RJ12	PRINTER/COMPUTER DB9
1	6
2	5
6	4
3	3
4	2

DV SYSTEM DB9	PRINTER/COMPUTER DB25
6	20
5	7
4	6
3	3
2	2

DV SYSTEM RJ12	PRINTER/COMPUTER DB25
1	20
2	7
3	3
4	2
6	6

RJ12 numbering.

When holding the cord so that the RJ plug is hanging down, and with the locking tab so you can see it, pin number one will be on the left hand side. (see diagram below)



HELP NOTE # 20

HELP NOTE TITLE:- Toll Barring

Toll restriction can be achieved by several methods. The restrictions available are as below:-

Restriction layer 0
No restrictions apply to the designated stations/extensions
Restriction layer 1
Can only dial numbers that are no longer than the local number length set in Zone 206
Restriction layer 2
Can only call the numbers programmed in as Common Allowed Codes in Zone 406
Restriction layer 3
Can dial any numbers (as layer 0) **except** the numbers programmed as Common Disallowed Codes in Zone 407
Restriction layer 4
If the Toll Code (Zone 203) is dialed as 1st digit, check Zone 408 for Area codes allowed to be dialed
If the Toll Code is not dialed as 1st digit, check Zone 410 for local prefix allowed to be dialed
Restriction layer 5
If the Toll Code (Zone 203) is dialed as 1st digit, check Zone 409 for Area codes allowed to be dialed
If the Toll Code is not dialed as 1st digit, check Zone 411 for local prefix allowed to be dialed
Restriction layer 6
This layer has access to both the layer 4 and layer 5 numbers as above
Restriction layer 7
Not used in Australia
Restriction layer 8
Cannot seize an exchange line (CO line)
Restriction layer 9
Reserved

In any of the Zones 406 to 411, the following applies:-
------- This means that no digits are allowed to be dialed.
dddd This means that any digit is allowed to be dialed.
Eg 1: if d------- is programmed in Zone 406, **NO NUMBERS ARE ALLOWED TO BE DIALED.**
Eg 2: if 000----- is programmed in Zone 406, only 000 is allowed. If 0000 or if 3 zeros plus any other digit is dialed, the call will be disconnected.

Speed Dial Un-Restricted Range
Zone 226 can be programmed to allow a range of System Speed Dial Codes to be unrestricted. If given access to this range, a station will be allowed to Speed Dial the numbers stored. **If no number is programmed in the Speed Dial Code, the station will have unrestricted dial tone to call any number without any restrictions applying.**

Forced Account Codes
A Forced Account Code allows a station to call any restricted number by inserting the FAC number prior to dialing. See the System Administrator's Manual for details of operation. Zone 403 is used to program in the FAC codes to be used in the system.

HELP NOTE # 21

HELP NOTE TITLE:- 3rd party Voicemail Provision

To provide a connection for any Voicemail device, the following programming must be done.

Zone 242 = 3 This enables the system to use the System Wide Call Forward facility

Zone 245 = 2 This enables the system to leave Message Waiting signals for SLT. The system will ring an SLT for the duration as set in Zone 136, and then have a non-ring period as set in Zone 135. This pattern will be repeated until the SLT answers the call. An intercom call will then be set up to the station that left the Message Waiting signal.

Zone 502
Item 02 = 7 This designates the SLT port as a voicemail device. Any calls to this extension will cause in-band DTMF signals passed to the port. This informs the voicemail device who is calling it and why the call is being made.

Zone 504
Item 08 This allows/disallows the extension to forward to the voice mail extensions.
1= allow call forward to voice mail extensions
0= disallow call forward to voice mail extensions

Zone 400
Group 05 This group contains the extension numbers for the System Wide Call Forward facility. If System Wide Call Forward is invoked, the system will check this group and transfer the call to the 1st free extension entered into this group.

Zone 144 This zone sets the time that any free station will ring before the System Wide Call Forward facility transfers the call to the voicemail device.

Zone 122 This zone sets the time that a call will Camp On Busy on a busy station (DID only), before the System Wide Call Forward facility transfers the call to the voicemail device.

Warnings

If the Auto-attendant answers an incoming call, it will not use System Wide Call Forward. Individual extension forwarding will need to be programmed at each extension

The call forward timer (zone 144) must be less than the transfer no answer and transfer busy timers (zone 113 and zone 114)

The voice mail extensions should have the system wide call forward turned off in zone 504 Item 08

The message wait signal ring time (zone 136) must be less than zone 144

The station Door Ring timer (zone 143) must be less than zone 144

HELP NOTE # 22

HELP NOTE TITLE:- Call Parking

Call parking can be used by a station or SLT to park or hold a CO call that can be retrieved without needing to know the CO line number.

Programming required
A Call Park DSS button must be programmed for the Keyphones to have access to the facility
This is done in Zone 500 with function 65.

Operation from SLT to park a call
1. During an outside call
2. Press Hook-Flash
3. Dial #, 8, 0, park "slot" 0 to 9 and Hang-Up
4. Make Page call
5. Announce parked call to other station (PA, intercom call etc.)
6. Hang-Up

Operation from SLT to retrieve a parked call
1. Off-Hook
2. Dial #, 8, 0, park "slot" 0 to 9 as advised
3. Talk to caller

Operation from Keyphone to park a call
1. During an outside call
2. Press Hold
3. Press Park DSS button
4. Enter the "park slot' number (0~9)
5. Advice SLT or station of call and "slot" number
6. Hang-Up

Operation from Keyphone to retrieve a parked call
1. Off-Hook
2. Press the Park DSS button
3. Enter the "slot" number as advised
4. Talk to caller

HELP NOTE # 23

HELP NOTE TITLE:- Macro Key Assignment

Macro keys can only be programmed for 25 button handsets. Only DSS buttons 16~25 can be Macro keys. The key to be a Macro key **MUST NOT** be already programmed as a function key in Zone 500.

Programming a Macro key

1. On-Hook
2. Press func, 7
3. Press the DSS key to be the Macro key (16~25)
4. Press the keys in sequence (Max. 5 functions)
5. Save the data

Cancel a Macro key

1. On-Hook
2. Press func, 7
3. Press the DSS button programmed as the Macro key (16~25)
4. Press redial

HELP NOTE # 24

HELP NOTE TITLE:- Displays

To fit a display to a non-display handset.
Remove cover from Keyphone
Remove the display dummy
Plug in the new display
Replace Keyphone cover

HELP NOTE # 25

HELP NOTE TITLE:- Telstra Call Waiting

SLTs

To provide the Telstra Call Waiting facility, the following programming must be done.
Programme Zone 216 must be set to 0 **AND/OR** Zone 129 must be set to 000
Programme Zone 254 must be set to 0

Manual operation is as follows:-
During an outside call
Press #
Press 5
Press 9
Wait for 1 second
Press 1 or 2 as per normal Call Waiting procedure
Retrieving a call is the same as the above steps

Possible use of Speed Dial or Memory Dial SLT feature is as follows:-
The procedure could be programmed as into the Speed/Memory button selected for Call Waiting on an SLT that has Speed/Memory dial stored numbers.
Ie: Select the button to be used as the "Call Waiting" button and program into it the following.
#
5
9
Pause (usually redial)
2

Keyphones

Manual operation is as follows:-
During an outside call
Press trf/fl
Press 1 or 2 as per normal Call Waiting procedure
Retrieving a call is the same as the above steps

HELP NOTE # 26

HELP NOTE TITLE:- Secret Recording

MANUAL MODE

1. Set Zone 302 xx = 08 This sets the relay number xx to secret recording.
2. Set a DSS button to Fn 75 in Zone 500.
3. Set Zone 504, Station yy, Item 04 = x. Where yy = extension number and x = relay number from step 1.
4. To activate the recording, the assigned extensions press the DSS key and this operates the set relay.
5. The station's audio pair must be wired through the relay to the recording device.

AUTOMATIC MODE

1. Set Zone 504, Station number, Item 06 to xx (relay number step 2).
2. Set Zone 302, xx (relay number), = 08
3. Set Zone 504, Station number, Item 06 = x (relay number step 2).
4. Wire the audio pair through the assigned relay to the recording device.
5. To activate recording, the station goes off-hook

HELP NOTE # 27

HELP NOTE TITLE:- L.C.R. (DIGIT INSERTION) PROVISION & TOLL PASSWORD PRINT-OUT

See also Help Note 30 for Trunk Selection LCR

To enable LCR and/or Toll password print out:- Zone 253 must be programmed as:-

Zone 253 = 09	This **enables LCR** and **disables toll password printout**.
Zone 253 = 12	This **enables LCR** and **enables toll password printout**.
Zone 253 = any other value	This disables both LCR and toll password printout.

TOLL PASSWORD PRINTOUT

The password entered into Zone 301 Set 04, will be printed out on the SMDR only if Zone 253 = 12. It will be printed in full under the Account column in the SMDR.
SEE HELPNOTE 29 FOR FULL DETAILS

L.C.R.

The LCR feature uses the Speed Dial Codes from 150 to 199 inclusive.
These are programmed in Zone 404.
WARNING! THESE CODES WILL STILL BE ABLE TO BE PROGRAMMED AS SPEED DIALS BY THE CUSTOMER. THIS WILL OVER-WRITE THE LCR DATA CAUSING FAILURE OF THE CALL.
The structure of the LCR code is as follows.
The data consists of:-

Items 1 to 8 are the code to be matched
Items 9 & 10 are separators (no entry)
Items 11 to 14 are the start time (HHMM)
Items 15 & 16 are separators (no entry)
Items 17 to 20 are the finish time (HHMM)
Items 21 & 22 are separators (no entry)
Items 23 to 30 are the Carrier prefix code to be inserted.
ALL DATA MUST BE ENTERED INTO THE CORRECT ITEM POSITION!
Example:-
If 03 is dialed, the prefix code 1456 is to be used to select Optus in lieu of Telstra as the carrier for the call during business hours 9:00AM to 5:00PM.
Zone 404 Code 150 starting at Item 01

01	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**
0	3	-	-	-	-	-	-			0	9	0	0			1	7	0	0			1	4	5	6	-	-	-	-

code to be matched — start time — finish time — code to be inserted

NOTE BLANK ITEMS WHERE DATA NOT USED AND FOR SEPARATORS

The system will check for a match with the dialed number in items 1 to 8 and then if a match is found, it will check to see if the time is in the operating band (items 9 to 12 & items 15 to 18).
If 24 hour insertion is required, enter 0000 for start and finish times.
If a full match is found, the code in items 21 to 30 is inserted before the original number is dialed.
The system will check through all the entered codes looking for a match, until code 150 has been checked or a blank entry is found.
A blank entry in any of the fields stops LCR checking for that call.

Continued on next page:

HELP NOTE # 27 (continued)

HELP NOTE TITLE:- L.C.R. (DIGIT INSERTION) PROVISION & TOLL PASSWORD PRINT-OUT

As soon as a "no match" is definite (e.g. 02 was dialed or the time is out of band) the system will step onto the next code for checking, or if at code 150, or if a space in a code is found, it will stop the LCR checking programme.

To fit the LCR feature to an existing system

1. Power down and fit the new software chip
2. Fit a Remote programming card
3. Power up the system
4. Call Aristel
5. Aristel will call back into the system
6. Press SPD, FUNC, 6 and hang up
7. Keyphone will display "REMOTE SERVICE"
8. Aristel will upload the Speed Dial codes from the system
9. Aristel will download the original Spd codes and the new LCR codes
10. Keyphone will ring. Press Spk to end call
11. Zone 253 must = 09 to enable LCR or 12 to enable LCR and the Toll Password
12. Dial 09 and the time should be heard. This is a test call to ensure that the LCR is functioning
13. Zone 225 must not = 0 or only the first 50 Spd codes will be available

Alternatively, Aristel can "turn off" the protection and you can programme the LCR codes yourself. Aristel can then "turn on" the protection again.

Continued on next page:

HELP NOTE # 27 (continued)

HELP NOTE TITLE:- DIGIT INSERTION & TRUNK SELECTION L.C.R.

Digit Insertion with Trunk Selection LCR

Zone 257 = 4 to enable trunk select & digit insertion
Zone 253 = 03 to enable trunk select & digit insertion
Zone 404 codes 150 ~ 159
(Lookup table for trunk group selection)
This group has the code to be matched (eg. 04) and the trunk group (zone 603) that is to be used for the call.

Zone 404 codes 160 ~ 169
(Lookup table for common digit insertion from code 199)
This group has the code to be matched (eg. 04) and then the number in **199** will be used as the insert number.

Zone 404 codes 170 ~ 189
(Lookup table for individual digit insertion)
This group has the code to be matched (eg. 04) and the digits in Items 23~30 will be used as the insert number

Examples

1. if 04 is dialed, then trunks from group 04 must be used
2. If 02 is dialed, then trunks from the normal group (default = group 01) must be used and the insert number is 2245
3. If 0011 is dialed, then trunks from group 03 must be used and the insert number is 2148

For all examples:-

Z 253 = 03
Z 257 = 4
Z603/01= 01 Z603/02= 02 Z603/03= 03 Z603/04= 04

Programming for example 1

Z 404 / 150 = 04 and CO = 04

Programming for example 2

Z 404 / 160 = 02
Z 404 / 199 = 2245

Programming for example 3

Z 404 / 151 = 0011 and CO = 03
Z404 170 = 0011 and positions 23~30 = 21480000

OPERATION

If 04 is dialed, the system will select a trunk from Z603 Group 04 and dial the actual number
If 02 is dialed, the system will seize a free line from the normal Z603 group and insert 2245, then dial the actual number
If 0011 is dialed, the system will seize a free line from the normal Z603 group and insert 2145, then dial the actual number

HELP NOTE # 28

HELP NOTE TITLE:- Calling & called number and/or name display (ISDN)

DID NAME/NUMBER DISPLAY OPTIONS

With the programming as below, the system will display the **calling name**.
If Z227=1 and named speed dials are entered into Z404, the display will show the calling name if a match is found with the CLI number from the carrier.
Eg: A call is placed from 0398372301 to 0298771234
Zone 227 = 1
Zone 404 code xxx = 0398372301 / Ralph Robinson
Zone 610 has 301 (256) or 01 (38)
Zone 611 has a target extension number (14)
The incoming call will display the calling number (0398372301) and the calling name Ralph Robinson on extension 14.

Zone 610	Set # (610)	Zone 611	Set # (611)	Zone 404 code xx data	Zone 404 code xx data
01	**001**	**14**	**001**	**0398372345**	**RALPH ROBINSON**

TOP LINE OF DISPLAY SHOWS THE NAME OF THE CALLING NUMBER

BOTTOM LINE OF DISPLAY SHOWS THE CALLING NUMBER

If the system is to display the **called name** in lieu of the **calling name**, the following programming is required
Zone 227 = 1
Zone 225 = a number greater than 0
Zone 404 Code 201 has 234 / Service

The following chart is used by the system

Zone 610	Set # (610)	Zone 611	Set # (611)	Zone 404 Code #	Zone 404 code data
01	**001**	**14**	**001**	**201**	**01 / SERVICE**

The called number is placed in set 001 of zone 610 and the same number is placed in zone 404, the code number in zone 404 is the **set number** used in zone 610 **PLUS** 200. In this example it is 201 with the name **Service.**
The destination extension is placed in zone 611 in the same set as used in zone 610
The incoming call will display the name **Service** and the calling number **0398372301** at extension 14.

The system can display the calling name and number, or it can display the called name and calling number. It cannot display the calling and called names together.

TOP LINE OF DISPLAY SHOWS THE NAME OF THE CALLED NUMBER

BOTTOM LINE OF DISPLAY SHOWS THE CALLING NUMBER

HELP NOTE # 29

HELP NOTE TITLE:- Enabling and using the Toll Password

The Toll Password can be used for toll over-ride and print out account codes.
The extension needs to insert the Toll Password before a call can be made and the password used will be printed in the SMDR report

Programming.

1. Zone 253 must = 12 to enable the Toll Password printing feature
2. Zone 301 Set 04 must have the Password entered. This can be from 1 to 8 digits.
3. Zone 503 Item 05 & 06 for the extensions to use the password = 2
4. Zone 406 only has 000 entered. This means that the extensions cannot dial number except 000 unless the Toll Password is used for the call.

Operation.

1. The extension seizes a CO and presses
2. SPD
3. FUNC
4. *
5. password
6. save (16 and 25 button)
7. dial the number required. The call is unrestricted
8. The password will be printed in the account column of the SMDR printout

If the password is a single digit. e.g. 1, then the next digits can be an account number attributed to the call. This account number can be up to 7 digits in length.

Example:-

1. Z253 = 12
2. Z301 Set 04 = 1ddddddd
3. Z503 Ext 45 Items 05 & 06 = 2
4. Z406 has only 000 entered
5. Ext 45 (on Hook) presses CO 1 DSS button
6. Then enters:: SPD, FUNC, *, 12345678, SAVE
7. The telephone number required
8. At the end of the call the printer will show the normal call details and in the account column it will have 12345678
9. 2345678 can be a customer or job code

HELP NOTE # 30

HELP NOTE TITLE:- TRUNK SELECTION LCR PROVISION

The system can be programmed to select a particular group of COs (trunks) depending on the digits dialed by the extension.
Zone 253 must be programmed to 03
Speed dial codes 150~199 can be programmed for the digits to be dialed by the extension when trunk selection is to be made.

Example
Zone 253 = 03
Zone 404 code 150 = 0011 and is set to use CO 02
If an extension dials 0011, the system will select a CO from the group 02 in zone 603 for the call. This will happen if the extension

a) dials 9 for a line
b) manually selects the line by pressing a CO button
c) selects a CO by using #4??

All other calls will select a CO from the normal CO group allocated to the extension.

50 codes may be input between the codes 150~199. The code can be up to 8 digits in length.

If the Speed Dial Code is set for 00 trunk selection, a CO from group 05 will be selected

DIGIT SET IN CO SELECT ITEM IN ZONE 404 CODES 150~199	GROUP SELECTED IN ZONE 603
00	**05**
01	**01**
02	**02**
03	**03**
04	**04**
05	**05**
06	**06**
07	**07**
08	**08**
09~12	**05**

NOTE!
LCR SOFTWARE IS NOT REQUIRED FOR THIS FEATURE

HELP NOTE # 31

HELP NOTE TITLE:- PSTN CLI PROVISION

Place a CLID board in position on the trunk card (1 CLID per line)
Programme zone 604 for each CO that has a CLID fitted = 5

CLI will now be displayed on all keyphones that are to ring to the incoming call.

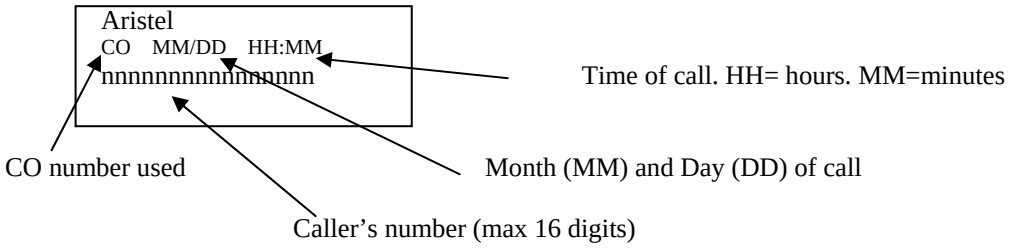
CLI review

The Aristel systems can review the CLI for previous calls even if not answered.
DV38 = 50 numbers stored

1. Assign a DSS key to be function 092
2. Press the DSS button (func 092)
3. This will display the last number in the list
4. Pressing the dial 3 will go backwards in the list
5. Pressing the dial 6 will go forwards in the list
6. Press the DSS button (func 092) to end review
7. The stored numbers are in a “first-in, first out” basis, ie. If max is exceeded, the first in will be lost first.

Note! Only incoming calls to that particular extension will be displayed. It will not necessarily display all calls to the system.

Display explanation:-



HELP NOTE # 32

HELP NOTE TITLE:- INTEGRATED VOICE MAIL PROVISION

To install the Integrated Aristel Voice Mail card

1. Power down DV system
2. Attach the card to the lid of the DV using the 6 boss mouldings
3. Plug the flat ribbon into the VSC connector on the motherboard
4. Replace the DV software chip
5. Power up the DV

Programming the Voice Mail features.

1. Zone 242 = 3: This enables system wide call forwarding for the system
2. Zone 504 / Extension number / Item 08 = 1 or 3
    a. 1 = Intercom preferred on lift off
    b. 3 = CO preferred on lift off

The system is now fully functional.

WARNING!

DO NOT PROGRAM THE SYSTEM THE SAME AS FOR A 3RD PARTY VOICE MAIL SYSTEM. THIS COULD CAUSE A PROGRAMMING CONFLICT, WHICH MAY REQUIRE THE DV TO BE RESET.

HELP NOTE # 33

HELP NOTE TITLE:- AUTO-ATTENDANT TO VOICE MAIL BOX

Incoming calls transferred direct to Voice Mail Box

Incoming calls can be sent to a nominated Voice Mail box if not answered by an extension. This is useful for PSTN systems
The AA answer can be delayed by Zone 118 as normal. If an extension does not answer the call, the Auto-Attendant will answer the call (not a DID) and transfer the call to the nominated voice mail box. The caller can then record a message without having to enter any digits.
The system can operate in this manner for

1. Day only
2. Night only
3. Day and night

NOTE!
If this feature is enabled, normal AA operation is no longer possible.

There can be only two VMBs that will take all incoming calls in this manner. They can be different extensions (VMB) for day and night or the same extension (VMB) for both day and night.

Programming
Zone 250 allows normal AA operation with 4 consoles nominated if the VMB feature is not required.
Zone 250 = 4 (same as Z250=0 with added VMB feature)
Zone 250 = 5 (same as Z250=1 with added VMB feature)

Below is the programming to nominate the extension (VMB) that is to take the incoming calls that are not answered manually.

For Night operation

Zone 400/Group 06/Item 04 = Ext (VMB)	*This enables call to VMB feature*
Zone 400/Group 06/Item 04 = 00	*This disables call to VMB feature*

For Day operation

Zone 400/Group 01/Item 04 = Ext (VMB)	*This enables call to VMB feature*
Zone 400/Group 01/Item 04 = 00	*This disables call to VMB feature*

If the console is Func, 2, 6 forwarded, the call will still be transferred to the external destination.

The above can be used to simulate DID working on PSTN trunks. i.e. if an extension does not answer, the caller is able to leave a message. BUT the VMB is common to all calls irrespective of which extension has been

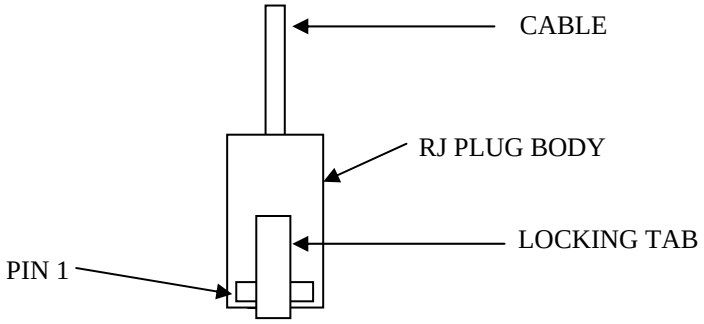
HELP NOTE # 34

HELP NOTE TITLE:- D1SLCC PINOUT

Below is the pin-out for the 4 extensions (SLT) that are available when using the D1 SLCC card

RJ45 (8P8C) numbering.

When holding the cord so that the RJ plug is hanging down, and with the locking tab so you can see it, pin number one will be on the left hand side. (see diagram below)



Pins 4 & 5	Pins 3 & 6	Pins 1 & 2	Pins 7 & 8
1st extension	2nd extension	3rd extension	4th extension
Port 41	Port 42	Port 43	Port 44

This is the same pin usage as the Cat 5 standard 568A. Therefore a normal Cat 5 patch cord can be used for accessing the socket and each extension will appear on the blue, orange, green or brown pairs.

HELP NOTE # 35

HELP NOTE TITLE:- DID & DOD numbers

Programming for DID and DOD numbers.

NOTE!
To invoke these features zone 258 must = 4

DID programming & operation
The carrier always sends the **called** number with ISDN calls to a system.
The last two digits of this number is then compared to a "lookup table" (zone 610) of numbers to get a match. If a match is found in the table, a second table (zone 611) is used to find which particular extension "belongs" to that DID number.
Example:-
The caller dials 03 9542 2345. This number is sent to the system with the incoming call
The system then looks at the last 2 digits dialed (45) and consults the lookup table (zone 610) to see if it is a DID number. Each DID number is allocated a "set" identification number in the table and the maximum number of sets is 28.
If a match is not made in the table (zone 610), the call is treated as a normal incoming CO call and zone 600/601 is used for the ring grouping.
If a match is made, the system then looks in the same set number in zone 611 to get the destination extension number. The number can be an extension number or 00.
If the number in zone 611 is not 00, the system will send the call to the extension.
If the number in zone 611 is 00, there are two options:-

1. The call is not a DID and is treated as a normal CO call. Zone 600/601 has the ring group.
2. The call is to a DID group. There can be 8 groups called 01 to 08. These groups correspond to the groups in zone 607.

The groups for DID use the last two digits dialed of 01 to 08. EG: 03 8542 2301 is a valid group DID number. 03 8542 2311 is not a valid number. Only 01 to 08 are valid DID group numbers.
If the number is a valid group number, the incoming call will ring to all the extensions listed in the matching zone 607 group. The ring method for this group is common ring.

DOD programming & operation
Normally, the carrier will send the GSN or Directory number of the ISDN service when an outgoing call is made from the system. It is possible to send the DID number of the calling extension when calling out from a DV system. This will be sent instead of the directory number of the ISDN service. This feature is called DOD.
Example:-
The Directory number of the service is 03 8542 2300 and the extension that has the DID number of 03 8542 2345 makes an outgoing call. The called party will see 03 8542 2345 as the calling number and not 03 8542 2300 as normal.
When an outgoing call is being made, the system checks zone 611 to see if the extension has a DID number. If it has, the system then checks a "lookup" table to find the DID number to be sent. This table is the SPD codes 201 to 298. The SPD code number (201 to 298) correspond to the set number in zone 611. If the calling extension is in set 23 of zone 611, it will use the number in zone 404 code 223. This number will be sent to the called party.
In this example, ext. 11 has the indial number of 03 8542 2345.
Zone 611 set 23 = 11 (ext 11) and zone 404 code 223 = 0385422345.
This is the number sent to the called party.

See programming example on next page

HELP NOTE # 35 CONT.

HELP NOTE TITLE:- DID & DOD numbers

The following chart shows the programming for the features as listed below:-

1. **03 8542 2345 is an individual DID for extension 18.**
2. **Extension 18 is to show it's DID number on out going calls (DOD).**
3. **03 8542 2301 is group 01 DID for Extensions 15, 16, 17, 18.**
4. **03 8542 2302 is group 02 DID for Extensions 11, 12, 13, 14.**
5. **Group 02 is to show the DOD for outgoing calls.**

	Zone 610	Zone 611	Zone 607	Zone 404
Examples 1 & 2	Set 01 = 45	Set 01 = 18		Code 201 = 85422345
Example 3	Set 02 = 01	Set 02 = 00	Group 01 = 15, 16, 17, 18	
Examples 4 & 5	Set 03 = 02	Set 03 = 00	Group 02 = 11, 12, 13, 14	Code 203 = 85422302

HELP NOTE # 36

HELP NOTE TITLE:- Paired Extensions

Paired Extension
A Keyphone can be paired with another extension (cordless) to achieve an inter-acting pair.
Zone 504 / Ext number / Item 08 enables the pairing feature for the Master (Keyphone) extension
The data must be 4 or 5 for paired working (see programming manual for details)
Zone 508 defines the Slave (cordless) extension number

Operation:-

AA answered calls to master extension

Both extensions are free

Both extensions ring to the incoming call transferred from the AA.

Master or Slave extension is busy

Caller hears the AA "Busy extension" message and the called extension hears BRT

DID calls to master extension

Both extensions are free

Both extensions will ring to the incoming call

Master or Slave extension is busy

System will "camp on busy" to the busy extension. Extension will hear BRT

Incoming call transferred to master extension

Both extensions are free

The call will ring at the master extension until the no-answer CFWD timer has been reached and then both extensions will ring to the call

Master or Slave extension is busy

System will "camp on busy" to the busy extension. Extension will hear BRT

Internal call to master extension

Both extensions are free

The call will ring at the master extension until the no-answer CFWD timer has been reached and then the call will be forwarded to the slave extension.

Master or Slave extension is busy

Calling Extension will hear busy signal

All calls direct to the slave extension are treated as a normal calls.

PROGRAMMING:-

Zone 504, Ext. number (eg. 20), Item 08 = 4

System Wide Forward is disabled and this extension (20) is the master extension of a pair.

Zone 504, Ext. number (eg. 20), Item 08 = 5

System Wide Forward is enabled and this extension (20) is the master extension of a pair.

Zone 508, Ext number (eg. 20) = Slave extension number.

This nominates the Slave extension of the pair.

HELP NOTE # 37

HELP NOTE TITLE:- Virtual Extensions

Virtual extensions
A “virtual extension” can be programmed for externally call forwarding. This can be used for after hours call diversion and does not require manual switching by pressing Func, 2, 6. It can also be utilized when there are no spare SLT ports and no keyphones available.

Method:-

A virtual extension (any valid extension number) can be programmed and if this extension number is dialed from an internal extension or from DISA, the system will check for a match in the virtual extension list. If a match is found, the system then checks the number to be dialed in the SPD codes and externally call forwards the call. The call will be under the control of the call timer (zone 119) as usual.
The night time greeting message can be altered to refer to “Dial xx to contact our service dept after hours or dial yy to leave a message”. Where xx is a virtual extension number and yy is an SLT extension fitted with an answering machine

Programming:-

1. Program zone 258 to either 6 or 8 (see zone 258 for details).
2. Program valid extension numbers in zone 610 from code 83 to code 98 (16 virtual exts max).
3. Program the numbers to be dialed in zone 404, codes 283 to 298. The code number must match the code number of zone 610.
4. Program the COs to be used zone 603 group 08

Example:-

To set up a virtual extension for extension 55 to dial 0422 888 999, using CO 08
Zone 258 = 6
Zone 610, Code 83 = 55
Zone 404, code 283 = 0422888999
Zone 603 group 08 = 08 00 00 etc