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## **OPERATOR CONSOLE**

The operator console is sleek and elegant. The console is user friendly and offers an elegant look for your reception. It provides you with many advantages like hands free dialing, room status etc..

The LCD (liquid Crystal Display) in the console offers you top of the line feature like in house caller's name along with his extension number, numbers dialed from the console, Trunk back to operator and much more.

The console is intelligent, where it can be used to calculate the actual amount for calls made in Rupee and paisa values. All the system programs can be entered through the console.

It comes with a DSS console (Direct station Selector) & offers single key access to all extension. Every extension is assigned a separate key & thus it eliminates the need to dial the extension. Each key has LED which displays the status of the extension.

The section deals with the operation of the console.

## CONSOLE PROGRAMMING MODE

To enter in to the console programming mode, following are the steps:

Press PROG key. Display will show "Type Password". After entering the correct password, press PROG key, again. Now display will show

```
HOLD XFER RDL
CONS VEW PROG
```

Press HOLD key to enter into console programming mode, on which the display will show,

```
1 -Cost, 7 -Code, *-Name
0 -Psw, # - BNK
```

This is the MAIN MENU in the console programming mode. Now, For entering the various programs, the following keys have to be pressed:

- '1' - To enter the cost table.
- '7' - To enter the code table.
- '8' - To enter the names of the extension users.
- '9' - To reset the console to factory setting
- '0' - To change the console Password.
- '#' - To enter console memory bank numbers.
- 'AT' - To use budgeting.

### CALL CHARGES & STD / ISD CODES SETTING

CODE TABLE. The COST TABLE is used for defining the pulse rate for each time zone & also the charges for one unit & the service charge for one call. The CODE TABLE is used for entering the various STD / ISD codes and their corresponding entry in the COST TABLE for calculating the charges.

#### COST TABLE

Please refer the cost table which is attached at the end of this document. The cost table is in the form of a matrix of 25 rows and 16 columns. In this the first row is significant in the sense that it contains the various time zones. In the default setting, the following are the time zones

Zone 1	-	00:00	to	06:00
Zone2	-	06:00	to	07:00
Zone3	-	07:00	to	08:00
Zone4	-	08:00	to	11:00
Zone5	-	11:00	to	18:00
Zone6	-	18:00	to	19:00
Zone7	-	19:00	to	20:30
Zone8	-	20:30	to	22:00
Zone9	-	22:00	to	23:00
Zone10	-	23:00	to	24:00

Time zones are programmable and they can be altered according to the customer requirement.

The entries for the various zones are to be made in the first row. The first column of the first row is for zone I and the default entry is 06:00 which is the end time for the first zone. Similarly the entries in the other zones are also entered. There is also provision for 2 more zones which can be utilized wherever required.

In the default condition, these 2 zones are not utilized and the entries in these columns are 24:00.

The 13<sup>th</sup> and the 14<sup>th</sup> column of row 1 is used for entering the start time & end time for holiday rate calculation (Applicable only if Holiday rates are enabled). The default Holiday rate start time is 08:00 and the Holiday rate end time is 19:00. The 15<sup>th</sup> & 16<sup>th</sup> column in the first row is not used and the default entries in these column are 0.

The second row is used for entering the default cost table for local calls. As explained earlier, the columns 1 to 10 contain the various time zones. Now starting from the second row and upto the 25<sup>th</sup> row, the entries in the columns 1 to 10 must contain the pulse rate for the corresponding time zone. In the case of local calls, there is no concessional rates. Hence in the second row, all the entries from column 1 to column 10 will be 1800 which corresponds to 180 second (i.e.) 3 minutes.

If it is required to change the pulse rate of a call as 5 minutes then the entries in columns 1 to 10 of second row must be 3000.

If zone 11 & 12 are not used, then there is no need to enter any value in these columns. The default entries in these columns are 1800.

The 13<sup>th</sup> column of row 2 is used for enabling or disabling holiday rates.'1' in this column enables holiday rates for local call & '0' disables holiday rates. The default entry in this column is 0(i.e.) holiday rate is disabled for local calls.

The 14<sup>th</sup> column is used for entering the pulse rate for holiday . the default entry is 1800.

The 15<sup>th</sup> column is used for entering the charge of one unit. The default entry is 200 corresponding to Rs.2 for one unit of local call.

The 16<sup>th</sup> column is used for entering the service charge for one local call. The default entry is 0.

The third row is used for entering the default cost table for STD calls. As explained earlier, the columns 1 to 10 contain the various time zones. The entries made in these columns must correspond to the pulse rate in the corresponding time zone.

The default entries are as given below:

1 <sup>st</sup> column of 3 <sup>rd</sup> row	- 80 (corresponding to 8.0 secs.)
2 <sup>nd</sup> column of 3 <sup>rd</sup> row	- 70 (corresponding to 7.0 secs.)
3 <sup>rd</sup> column of 3 <sup>rd</sup> row	- 50 (corresponding to 5.0 secs.)
4 <sup>th</sup> column of 3 <sup>rd</sup> row	- 25 (corresponding to 2.5 secs.)
5 <sup>th</sup> column of 3 <sup>rd</sup> row	- 25 (corresponding to 2.5 secs.)
6 <sup>th</sup> column of 3 <sup>rd</sup> row	- 25 (corresponding to 2.5 secs.)
7 <sup>th</sup> column of 3 <sup>rd</sup> row	- 50 (corresponding to 5.0 secs)
8 <sup>th</sup> column of 3 <sup>rd</sup> row	- 50 (corresponding to 5.0 secs.)
9 <sup>th</sup> column of 3 <sup>rd</sup> row	- 70 (corresponding to 7.0 secs.)
10 <sup>th</sup> column of 3 <sup>rd</sup> row	- 80 (corresponding to 8.0 secs.)

for example if it is required to have a pulse rate of 2.5 secs. from 06:00 hrs to 23:00 hrs and 5 secs. from 23:00 hrs to 06:00 hrs, the entries in the third row must be 50 for 1<sup>st</sup> column, 25 for columns 2 to 9 and 50 for column 10. Please note that these pulse rates will be used only for those STD codes which are not able to match any entries in the STD / ISD CODE TABLE.

If zone 11 & 12 are not used, then there is no need to enter any value in these columns. The default entries in these columns are 25.

The 13<sup>th</sup> column of row 0 is used for enabling or disabling holiday rates for STD calls. '1' in this column enables holiday rates for STD calls & '0' disables holiday rates. The default entry in this column is 0 (i.e.) holiday rate is disabled for STD calls.

The 14<sup>th</sup> column is used for entering the pulse rate for holiday. The default entry is 50 corresponding to 5 secs.

The 15<sup>th</sup> column is used for entering the charge of one unit. The default entry is 126 corresponding to Rs.1.26 for one unit of STD call .

The 16<sup>th</sup> column is used for entering the service charge for one STD call. The default entry is 0.

The fourth row is used for entering the default cost table for ISD calls. As explained earlier, the columns 1 to 10 contain the various time zones. The entries made in these columns must correspond to the pulse rate in the corresponding time zone.

The default entries are as given below:

1 <sup>st</sup> column of 4 <sup>th</sup> row	- 14 (corresponding to 1.4 secs.)
2 <sup>nd</sup> column of 4 <sup>th</sup> row	- 14 (corresponding to 1.4 secs.)
3 <sup>rd</sup> column of 4 <sup>th</sup> row	- 14 (corresponding to 1.4 secs.)
4 <sup>th</sup> column of 4 <sup>th</sup> row	- 12 (corresponding to 1.2 secs.)
5 <sup>th</sup> column of 4 <sup>th</sup> row	- 12 (corresponding to 1.2 secs.)
6 <sup>th</sup> column of 4 <sup>th</sup> row	- 12 (corresponding to 1.2 secs.)
7 <sup>th</sup> column of 4 <sup>th</sup> row	- 14 (corresponding to 1.4 secs.)
8 <sup>th</sup> column of 4 <sup>th</sup> row	- 14 (corresponding to 1.4 secs.)
9 <sup>th</sup> column of 4 <sup>th</sup> row	- 14 (corresponding to 1.4 secs.)
10 <sup>th</sup> column of 4 <sup>th</sup> row	- 14 (corresponding to 1.4 secs.)

For example if it is required to have a pulse rate of 1 sec. From 06:00 hrs to 23:00 hrs and 2 secs. From 23:00 hrs to 06:00 hrs. the entries in the fourth row must be 20 for 1<sup>st</sup> column, 10 for columns 2 to 9 and 20 for column 10. Please note that these pulse rates will be used only for those ISD codes which are not able to match any entries in the STD / ISD CODE TABLE.

If zone 11 & 12 are not used, then there is no need to enter any value in these columns. The default entries in these columns are 12.

The 13<sup>th</sup> column of row 4 is used for enabling or disabling holiday rates for ISD calls. '1' in this column enables holiday rates for ISD calls & '0' disables holiday rates. The default entry in this column is 0 (i.e.) holiday rate is disabled for ISD calls.

The 14<sup>th</sup> column is used for entering the pulse rate for holiday. the default entry is 12 corresponding to 1.2 secs.

The 15<sup>th</sup> column is used for entering the charge of one unit. The default entry is 126 corresponding to Rs.1.26 for one unit of ISD call.

The 16<sup>th</sup> column is used for entering the service charge for one ISD call. The default entry is 0.

The fifth row is used for entering the default cost table for cellular calls. As explained earlier, the columns 1 to 10 contain the various time zones. In the case of cellular calls, there is no concessional rates. Hence in the fifth row, all the entries from column 1 to column 10 will be 1800 which corresponds to 180 seconds (i.e.) 3 minutes.

If it is required to change the pulse rate of a cellular call as 5 minutes then the entries in columns 1 to 10 of fifth row must be 3000.

If zone 11 & 12 are not used, then there is not need to enter any value in these columns. The default entries in these columns are 1800.

The 13<sup>th</sup> column of row 5 is used for enabling or disabling holiday rates. A 1 in this column enables holiday rates for cellular calls & a 0 disables holiday rates. The default entry in this column is 0 (i.e.) holiday rate is disabled for cellular calls.

The 14<sup>th</sup> column is used for entering the pulse rate for holiday. The default entry is 1800.

The 15<sup>th</sup> column is used for entering the charge of one unit. The default entry is 200 corresponding to Rs.2 for one unit of cellular call.

For example if it is required to charge Rs. 5 for one unit of cellular call, the entry in this column must be 500.

The 16<sup>th</sup> column is used for entering the service charge for one cellular call. The default entry is 0.

Till now we have seen the default rate table. These tables will be used only if there is no match found in the CODE TABLE.

Starting from row 6 and up to row 25, there are general purpose rate tables. The default entries made in these rows are given in cost table. The default entries are made keeping in view the various new STD & ISD rates currently implemented by DOT. So in most of the cases, it may not be required to alter the rate table.

In the default entries, rows 6 to 9 contain the various ISD pulse rate; rows 10 to 13 contain the various STD pulse rate; rows 14 & 15 contain the inter dialing pulse rates entered by you in any column.

## **CODE TABLE**

This table is used for entering the various STD / ISD codes. It is also possible to enter local numbers in the cost table. This will be used for implementing the different charges for inter dialing numbers.

In your older version, we have been entering the full rate time duration for each STD / ISD code. But in the new CODE TABLE, this is different. For each code entered in the CODE TABLE, the row number of the COST TABLE must be entered for calculating the charges.

For example if is required to have the charge calculations corresponding to row 10 for STD code 011, the entry in the CODE TABLE must be 10 for the code 01100.

Similarly, the entries must be made in the code table for each code. If no matches are found in the CODE TABLE for any code. Then the default entries in the rows 2 to 5 in the COST TABLE will be used.

**Note:** while entering the codes in the CODE TABLE. It is not possible to enter the values 02 to 05 for any code as these entries are reserved for default charge calculation.

Local numbers can also be entered in the CODE TABLE. A maximum of 4 digits can be entered for any local number entry in the CODE TABLE.

For example, 9180, 9181, 9182 etc. As explained in the case of STD & ISD codes, here also the entry for each local number must be a corresponding row number of the COST TABLE.

The maximum number of codes that can be entered in the CODE TABLE is 200.

### **How to set the cost table & code table**

The main menu of the console programming, press I for entering the cost tables, 7 for entering the code tables.

For cost table, on pressing 1, you can alter or view the cost tables. The display will show the cost tables in a sequential manner ( i.e.) row by row. It will start with the first row first column of the cost table. Use the following keys to move around the cost table:

- AS - To move forward to the next row (i.e.) next cost table
- AB - To move backward to the next row
- TK10 - To move forward to the next column (i.e.) next Zone
- TK9 - To move backward to the next column
- F2 - To come out of programming mode

A sample of the Display is shown below:

Cost Table – 01 Zone – 01 0600
-----------------------------------

### **CODE TABLE**

On pressing 7 in the main menu, you can alter or view the code table. The display will show The first entry in the code table. Use F1 key to move forward to the next entry in the code table & TK10 key to move back backwards. The code table will display the code & the table number (row number) to which the code is associated with. Please note that as explained in the cost table section, rows 2 to 5 are having the default rates for local, STD, ISD & Cellular numbers. Hence while entering the code tables, the corresponding table numbers cannot be from 2 to 5. The table number values can range from 6 to 25. After entering a code, use F1 key to go to the next location. Please note that when you are entering a new code, always enter in a free location in the code table. Use F2 key to come out of programming. A sample of the display is shown below:

## U NAMES

In the mode, the name of each extension user can be entered. This name will be displayed in the console, whenever the extension calls the operator. It will also be printed when the ASMDR of the extension is taken out. Press '8' in the main menu for entering into this mode. The display will show

LN	EXT 200
NO NAME	

If you want to move to the next extension in the forward direction, press f1 key. Press TK10 key for moving to the next extension in the backward direction. Use the number keys for entering the names. The alphabets which will be visible on the display when the various keys are pressed, is given below:

'1' – B '2' – E '3' – H '4' – K '5' – N  
'6' – Q '7' – T '8' – W '9' – Z

press **RDL** key for going to the next alphabet in the forward direction & **HOLD** key for going to the next alphabet in the backward direction. Use **RLS** key for introducing a space. After entering the name, press TK9 key for registering the name. For coming out of the menu, press F2 key, twice. For example , to enter RAJESH SHARMA in extension number 200, the following keys are to be pressed in a sequence:

6+RDL+1+HOLD+4+HOLD+2+7+HOLD+3+RELS+7+HOLD+3+1+HOLD+6+RDL+5  
+HOLD+1+HOLD+TK9+F2+F2

Note: A maximum of 15 characters can be entered for a single name. The characters also include blank spaces.

## U FACTORY RESETTING OF THE CONSOLE

If it is required to reset the console to the factory settings, press '9' in the main menu. The display will show the message,

Factory Reset
1- Yes

Now press '1' to reset the console to factory setting.]

## U MEMORY BANKS

The console can store 100 telephone numbers in its memory bank. For dialing any numbers stored in the memory bank, press the trunk line key (TK1-TK10), followed by # key to access banks. The display will show "BANK #". Now dial the memory bank number in which the telephone number is stored. The number stored in the bank will appear on the display & it will be dialled by the system. For storing the numbers in the memory bank press '# key in the main menu. The display will be as shown below:

Bank 1
Empty

Enter the required telephone number & press TK9 key to register the same. Use f1 key to move to the next bank location in the forward direction & TK10 to move in the backward direction. Press F2 key to come out of this mode. Banks can be over written or added

## U TO CHANGE CONSOLE PASSWORD

The default console Password is 1234. For changing the Password, press '0' key in the main menu. The display will show

New Password

Dial a 4 digit Password number. Now the display will show.

Retype Password

After re-entering the Password correctly, the display will show,

Password Changed

This confirms that the new password has been accepted.

## U CONSOLE LOCK

The console can be locked, to prevent any misuse. For locking the console, press **PROG** key, following by the password. Again press **PROG** key & then RLS key. The display will show

Want to lock –lock

Press '1' to lock the console. The display will show "**CONSOLE LOCKED**". Now the console can only receive incoming calls, but it will not be able to transfer or dial any numbers.

For releasing the console lock, Press **PROG** key, followed by the password. Again press **PROG** key & then **RLS** key. The console lock will be released & the display will show "**CONSOLE UNLOCKED**". When console is locked, it will accept only in coming calls and programming.

## U BUDGETING

This mode can be entered after pressing 'AT' in the main menu. The console will ask for enabling or disabling budgeting as "**BUDGETING YES 0/1 NO/YES**". If user does not want to change existing status he can dial any other key. if budgeting is enabled then console will display amount for extension 1 (next to operator). Extension number can be increased or decreased by pressing '**TK9**' or '**F1**' keys. Enter four digit (0000-9999) amount in Rs. For desired extension. When amount is zero system will set that extension class of service as 0 and if some amount is there in account then highest possible class of service as programmed for that extension will be available. This amount will automatically decrease when calls are made.

Note : only stored or printed calls will be taken for accounting/budgeting purpose.

## U PRINTER HANDSHAKE

The printing can be made as with handshake or without handshake.

PROG + PASSWORD + HOLD + AT + 8  
PROG + PASSWORD + HOLD + AT + 9

Handshake Enable  
Handshake Disable

The default printing mode is without handshake.

## PROGRAM VIEWING MODE

The various programs stored in the system can be viewed in the console. For entering into the Viewing mode, press **PROG** key. After entering the password, the display will show,

```
HOLD XPER RDL  
CONS VIEW PROG
```

Now press **TNSR** key. the console display will be as shown below:

```
1. LINE 2. SYSTEM  
3/4 BANK / GBANK
```

Press '1' for viewing line information. '2' for viewing System information, '3' for viewing personal memory bank of extension, '4' for viewing global memory bank numbers.

### U LINE INFORMATION

On selecting this option, the display will show, "**ENTER SER NO..**" for viewing extension information, press the Hardware number of the extension (00 to 23 in 624 system & 00 to 47 in 1048 system). For viewing the trunk line information, press 24 to 29 in the case of 624 system (24 corresponds to the first trunk line & 29 to the last trunk line) & 48 to 57 in case of 1048 system (48 corresponds to the first trunk line & 57 to the last trunk line). Press '8' to move to the next page in the forward direction & '2' to move in the back ward direction. Press '5' to print this information if printer is connected. The extension information gives the group number of the extension, the forward extension number, & the class of service of the extension. The trunk line information gives the Day mode & Night mode setting of the trunk line. To see the status of the next extension, press '6' & for the previous extension, press '4'.

On selecting this option, display will show, "**ENTER SER NO..**" Press '**01**' to view the mode of operation of the system alarms. The Delay time for the trunk lines & the metering time. Use '8' & '2' to move the screen forward & backward. Press '5' to print all information.

### U PERSONAL BANKS

On selecting this option, the display will show "**ENTER SER NO..**". For viewing extension banks, press the hardware number of the extension (00 to 23 in EX 624 system & 00 to 47 in EX 1048 system). Press '8' to move to the next page in the forward direction & '2' to move in the backward direction. Press '5' to print this information if printer is connected. The banks will display their contents with bank numbers. To see the personal bank of the next extension, press '6' & for the previous extension, press '4'.

### U GLOBAL BANKS

On selecting this option, the display will show, "**ENTER SER NO..**" press the global bank number (10 to 99). The display will show bank number and its contents. To see the next global bank, press '6' & for previous global bank. Press '4'.

## TWO CONSOLE

Dual console is possible only with EX624 onwards.

We can connect two console, named as main console & second console. Main console is enjoying all the features available with stand alone console, while second console either can behave as assistant to main console or as an supplementary console. Details of operations are given below:

### U **CENTRAL RINGER**

If a trunk is defined to ring in central ringer then it will ring on both consoles & any of the operator can pick by pressing 'AT' key.

### U **ONE TERMINATION**

One termination can be used if a trunk line is desired to ring only on one console. It will ring only at 'AT' of the desired console.

### U **'AS' RINGING**

Main console is connected on line # 1 & second console is connected on line # 2. If someone dials for line # 1 it will ring only at 'AS' of main console & same is for second console. Second console can pick 'AS' of main console by dialing '6', while it is not possible from main console.

### U **'AB' RINGING**

'AB' of second console will not ring. Because all answer back are available at main console. But 2<sup>nd</sup> console can pick 'AT' by dialing '6'.

### U **DISPLAY & STATUS**

Date & time display, extension display & trunk lines display will remain same on both consoles.

### U **TRUNK LINES ON HOLD**

If a trunk line is on hold by someone else it will blink at slower rate while a trunk line on hold by itself will blink at a faster rate.

### U **KEYS ON SECOND CONSOLE**

'F1' & F2 will not function on second console. Second console can alter the names 'F1' key can be used to delete all names & restart console.

### U **NAMES FILLED ON MAIN CONSOLE**

If a name is changed on main console, it will be also reported to second console. But if a name changed on second console, it will not be reported to main console. Also note this change will be displayed on second console & display will be refreshed either by time display or by pressing a key only.

## SYSTEM PROGRAMMING MODE

To enter the various system programs , press **PROG** key. After entering the password, the display will show,

HOLD XEER RDL  
CONS VIEW PROG

Now press **RDL** key to enter into the system programming mode. The display will show “Programming”. Start entering the programs. After entering each program, display will show “pass”, to confirm that the program has been accepted. To continue with the programming press only **PROG** key and display will show “Programming” enter next programming command. To come out of programming press **RLS** or ‘\*’ key.

### Programming from SLT

SLT should be in DTMF only.

Lift the handset & hear system dial tone.

Press ‘#’ followed by the system password. By default it is 1234.

Dial the desired command.

If the desired command is accepted by the system, system will provide a assurance tone.

For next command, press ‘HOLD’ .

Hang up.

## SYSTEM PROGRAMMING

### U VRR PROGRAMMING WITH 4 LEVEL VOICE

- 110 Disable VRR and give Burst Tone on DID entry by the caller.
- 111 Welcome message.
- 112 Enable VRR and play pre-recorded message on DID entry by the caller.
- 113 Busy message
- 114 Invalid number dialled message.
- 115 Operator message when no number is dialled.

*Note: In 624 and 1048 systems. for recording the VRR message, SW3 of DIP switches in the CPU must be in the On position. After recording, this switch must be brought back to the OFF position. While recording the message, LED DSI in the CPU card should blink.*

**Important** : recording can be done only through the analog extensions.

**Default** : 110.

### U PRINTING COMANDS : 12X

#### a) FROM SYSTEM BUFFER

- 120 stop printing and start storing calls in the buffer.
- 121 To start printing from buffer and then on-line. If any error occurs in printing , calls will not be lost. They will go to buffer. System will resume printing when error is cleared. This command will also clear the buffer.
- 122 To clear printer buffer and erase all calls without printing.
- 123 To start logging of all calls. i. e. local and STD/ISD.
- 124 To start logging of only STD/ISD calls.
- 129 To start printing all the calls from buffer and then resume on-line printing .

This command doesn't clear the buffer.

*Note : After the buffer becomes full. The system will automatically reject the oldest calls, making room for the new calls in the buffer.*

**b) COMPUTER BILLING SOFTWARE (CBS)**

126 Start sending on CBS.

127 Stop sending on CBS.

128 Start sending on CBS. i.e. send all again.

**Note :** CBS is available only in 624, 936 & 1048.

**Default :** 120, 124 and 127.

U **FACTORY RESET : 14X**

141 Clears memory and self all setting to factory default.

14# Reset system without changing any setting.

U **SET DAY/NIGHT CHANGEOVER CODE : 21ZZ**

21ZZ Set night code as ZZ.

The system can be manually changed over from day mode to night mode and vice versa from any extension by using this two digit changeover code. The changeover code can be set using this command e.g., to set changeover code as 33 dial 21 33.

**Default :** Changeover code is 99.

U **ASMDR PRINTING : 22 LN**

22 LN Print ASMDR without clearing from buffer.

For printing extension-wise

LN = 20 – 43 in 624.

LN = 00 – 47 in 1048.

For printing calls trunk wise.

LN = 70 – 75 in case of 624.

LN = 70 – 79 in case of 1048.

Printing calls using this command will not erase calls from buffer. This command will print calls only available in the buffer.

U **TIME BASEMETERING & DELAYEDDIALING TIME 23 TD**

The time base required for the metering of calls and the delayed dialing on trunk lines are set with this command. The delayed dialing is useful while redialing when there is a delayed dial tone on the trunk lines.

23 TD – set time base for start of metering and trunk delayed dialing time.

Where            T = 1 to 9 in multiple of 10 seconds.  
                     D = 1 to 9 in milliseconds.

**Example :** *If T = 2 then the time base is 20 seconds and the calls will be recorded after 20 sec.  
If D = 2, then dialing will start after 20 ms.*

**Default :** T = 1 and D = 9.

U    **FEATURE LOCKING : 24 F C**

24 F 1    To lock a feature.  
24 F 0    To unlock a feature.

Where    F = 1 Call Forwarding  
            F = 2 For Follow Me  
            F = 3 For Barge In  
            F = 6 For Do Not Disturb  
            F = 8 For Hot Lines

**Default :** All feature unlocked

U    **VRR MODE : 24 4 X**

Sometimes during the use of VRR and the fax homing, it may be necessary to have silence during fax detection. The VRR may be programmed in may of the two ways as follows.

2441    To set silence for 3 secs after the VRR message.  
2440    No silence after the VRR message.

**Default :** 2440

U    **SET TRUNK DIALING TYPE : 30 TRK Y**

A trunk line can be defined to dial either in DTMF/TONE or decadic or pulse. In PULSE mode the outward dialing is of decadic type while in tone mode the outward dialing is of DTMF type.

30 TRK 1    Set TRK in TONE dialing mode.  
30 TRK 0    Set TRK in Pulse dialing mode.

Where    TRK = 70 – 75 in case of 624  
            TRK = 70 – 79 in case of 1048

**Default :** All trunk are in Decadic.

U    **ENABLE / DISABLE A LINE : 30 LN Z**

30 LN 2    Disable LN line  
30 LN 3    Enable LN line

**where**    LN = 70 – 75 in case of 624.  
            LN = 70 – 79 in case of 1048.

**Default :** All trunks and lines are enabled.

U    **CANCELLATION OF IMMEDIATE HOTLINE : 31 EX 7**

Immediate hot line will be canceled through system programming while it was set on that extension through own supervisory mode.

31 EX 7 To cancel the hotline.

U **PAGING RIGHTS : 33 EX Y**

33 EX 1 Paging is allowed for extension Ex.

33 EX 0 Paging is not allowed for extension .

where EX = 20 – 43 in case of 624.  
EX = 00 – 47 in case of 1048.  
EX = 48 for all the extensions.

An addition speak is provided in the system for paging. In extension having paging facility can make an announcement through this speaker.

**Default** : *available to CONSOLE only.*

U **BARGE IN WITH TONE RIGHTS : 35 EX X**

35 EX 1 Barge in with Tone is allowed for extension Ex.

35 EX 0 Barge in is not allowed for extension Ex.

Where EX = 20 – 43 in case of 624.  
EX = 00 – 47 in case of 1048.  
EX = 48 for all the Extensions.

This feature allows an extension to barge in a conversation with a burst indication / warning tone to the conversing parties.

**Default** : *Available to operator only.*

U **BARGE IN W/O TONE RIGHTS : 35 EX X**

36 EX 1 Barge in is allowed for extension EX.

36 EX 0 Barge in is not allowed for extension EX.

Where EX = 20 – 43 in case of 624.  
EX = 00 – 47 in case of 1048.  
EX = 48 for all the extensions.

This feature allows an extension to barge in a conversation without giving a burst indication/warning tone to the conversion parties.

**Note** : *if an extension has barge in without tone rights, then barge in with tone rights will also be allowed automatically.*

**Default** : *Available to none.*

U **RESET EXTENSION PASSWORD : 38 EX 1**

38 EX 1 - Password for Extension EX will reset to 777.

Where EX = 20 – 43 in case of 624.

EX = 00 – 47 in case of 1048.

This command is used when an extension user forgets his password. This command will set ext. password to default setting which is 777.

**Default :** *for all extension as 777.*

U **SET BOSS LINE : 39EX1**

39EX 1 Set Extension EX as BOSS line.  
39EX 0 Reset BOSS Extension EX as a normal line.

Where EX = 20 – 43 in case of 624.  
EX = 00 – 47 in case of 1048.

If a line is defined as boss, it is must to define another line as its secretary.

**Note :** *One Boss can have only one secretary.*

**Default :** *No extension as BOSS extension.*

U **SET CALL METERING TYPE : 39 TRK Z**

39 TRK 0 Set TIME BASED Metering for trunk.  
39 TRK 1 Set LINE REVERSAL Metering for trunk.

Where TRK = 70 – 75 in case of 624.  
TRK = 70 – 79 in case of 1048.

This command is useful when line reversal is provided on trunk lines. Line reversal on outgoing trunk line at the maturity of the call will help to recognize exact starting time of the call to register actual billing. If line reversal is not available on the trunk line, then the system is not getting information that at precisely at what time the outgoing call has matured. In this case, system can approximately judge the maturity of a call by programming a METERING TIME after the last digit is dialed on the trunk line. If the call continues beyond the METERING TIME (which can be set using the command 23 TD), the call is assumed to be matured. This metering will be effective for TIME BASED metering of trunk lines.

**Default :** *All trunk lines as TIME BASED.*

U **SET FAX PORT : 39 EX 2**

39EX 2 set Ex as fax port for incoming fax calls.

Where EX = 21 – 43 in case of OZEM 624.  
EX = 01 – 47 in case of OZEM 048.

**Default :** *Extension 25/205 is set as FAX port.*

U **DEFINE AUXILIARY CONSOLE : 39 EXZ**

39 EX 3 Set Ex as auxiliary console.  
39 EX 4 No auxiliary console.

Auxiliary console is extension which will help console operator to handle the incoming traffic. If a trunk or Room is ringing at operator and hand set of auxiliary console is lifted than call ringing at operator is diverted to this auxiliary operator.

**Default:** No extension is set as **AUXILIARY** console.

U **SET TRUNK HOTLINES: 39 TRKY**

When a combination of ordinary trunk and hotlines are used, then by dialing '0' the user may access a hotline even if he does not require it. This command allows one to define a trunk line as either a hotline of an ordinary line. Hotlines can be accessed only by dialing their respective numbers (70, 71, ..etc.). these lines will not be accessed by dialing '0'.

39 TRK 4 To set trunk line as ordinary line.  
39 TRK 5 To set trunk line as hotline.

U **SET SECRETARY LINE: 41 EX EY**

Set EY an secretary for line EX which is already defined as Boss line.

20-43 in case of OZEM 624, oo-47 in case of OZEM 1048.

Note: one secretary can have multiple Bosses.

**Default:** No extension as SECRETARY extension.

U **SET ONE TERMINATION LINE TRUNK: 41 TRKEX**

41 TRK EX set EX extension line as one termination for trunk line TRK.

If TRK trunk line is operating in one termination mode then it will ring only at EX.

Where EX = 20 – 43 in case of OZEM 624.  
EX = 00 – 47 in case of OZEM 1048.  
TRK = 70 – 75 in case of OZEM 624.  
TRK = 70 – 79 in case of OZEM 10j48.

U **SET CLASS OF SERVICES FOR EXT.: 42 EX DN**

42 Ex DN Set DAY/NIGHT class of service of EX extension.

This command will set day class of services as D and night class of services as N for extension EX. These class of services will automatically change at defined change over timings.

Where D/N are as follows:

0 - only extension to extension calls.  
1 - Trunk calls allowed but Restricted digits not allowed.  
2 - Level ONE off.  
3 - STD calls not allowed.  
4 - ISD calls not allowed.  
5 - All type of calls allowed.

&

Ex = 20 – 43 in case of OZEM 624.

EX = 00 – 47 in case of OZEM 1048.

Note: These class of services are add on types. i. e. if Extension has its class of services as 2, it is having class of services 0 and 1 by default.

*Default: Class of service is 3 means STD is not allowed to any ii extensions.*

#### U **INCOMING TRUNK LINE LANDING : 42 TRK D N**

The incoming calls through each trunk line can be defined to land wherever required in any combination as follows, for both the Day & Night mode.

42 TRK D N Set day/night modes of ringing for trunk line Trk.

Where D/N	0	-	For around robin ringing on Self service group.
	1	-	For simultaneous ringing on Common service grp.
	2	-	For simultaneous ringing on Self service group.
	3	-	Ringing at CONSOLE/operator.
	4	-	For one Termination ring at extension.
	5	-	For DID and Self service group round robin riging.
	6	-	For DID & common service group simultaneous ring.
	7	-	For DID and Self service group simultaneous ringing.
	8	-	For DID and Ring at CONSOLE/operator.
	9	-	For DID and Ring at One Termination line.

& Trk = 70 – 75 in case of OZEM 624.

Trk = 70 – 79 in case of OZEM 1048.

**ROUND ROBIN** : ringing one after the other at each of the defined extensions. Only one extension will ring at a time for 20 seconds.

**SIMULTANEOUS**: Incoming call will ring at all the defined extensions at the same time. The call will get connected to the forst extension which lifts the handset.

**ONE TERMINATION**: Incoming call will ring only at the defined Ext.

**CENTRAL RINGER**: Incoming call will ring at the central ringer (In AX308 & 616 only) or at the CONSOLE only. This line can be picked by dialing ‘6’ from any extension.

**DID**: In this mode when an incoming call lands in the system, a burst tone will be heard. Now external caller can reach any extension by dialing the internal number in tone mode. If the external caller fails to dial a number or the number dialled is busy or the number dialled is invalid or the number dialled is unanswered then it is a case of DID failure. On DID failure, the trunk will ring as per the programmed ringing mode.

If the incoming line has been programmed to ring on the operator , in case of DID failure, the call will ring for a maximum of 120 seconds after which it gets released automatically.

*Note: If the system has VRR facility then in the case of DID, instead of the burst tone. The recorded message will be palyed.*

**Default**: Ringing at operator.

#### ~ **SET SYSTEM TIME : 43 HH MM**

43 HHMM                      Set system time HH:MM

where                      HH is 00 – 23 as hours.  
                                 MM is 00 – 59 as minutes.

**Default:** *When system is given a master reset. The time will be set as 10:10:10.*

~  
**SETTING OF FLASH TIME OF THE EXT/TRK :44 LNT  
(Only with 206/308/616)**

where                      T is the time in 10 of milliseconds.  
                                 For trunk, T can be 10 to 99.  
                                 For extension, T can be 20 to 99.

**Default:** Flash time of trunk is 700 ms.  
                                 Flash time of extension is 660 ms.

~  
**SET SINGLE/TWO DIGIT RESTRICTON: 52 D1D2D3D4D5**

Where D1,D2,D3,D4, D5 are the first single or two digits of the phone numbers restricted from dialing.

A maximum of 5 digits can be programmed for restriction. This feature is effective for the extensions having class of service as '1'.

**Example:** if it is required to restrict the following single / two digit '1', '2', '25', '35' then programme as '52 01 02 25 35 00' and if two digits '11' and '22' are to be restricted then programme as '52 1122 00 00 00'

**Default:** *No digit is restricted.*

~  
**SET SYSTEM DATE : 61 DD MM YY W**

61DD MM YY W – Change system date.

Where DD                      -                      is new day of month 01 to 31.  
                                 MM                      -                      is new Month of year 01 to 12.  
                                 YY                      -                      is new Year for system 00 to 99.  
                                 W                        -                      is new day of Week 0 to6. (SUN – SAT)

Please note that software will not check for validity of day of the month. If invalid day is entered then it will result in 1<sup>st</sup> of next month. i.e. if 31/02/96 Sunday is entered it will result as 01/03/96 Monday because of RTC chip controller.

~  
**SET TRUNK ACCESS RIGHTS : 71 EX RRRR ...**

As extension should have trunk access rights to access that trunk line irrespective of any other settings or group.

71 EX R R R R R R R – for 624.  
71 EX R R R R R R R R R R – FOR 1048.

WHERE                      R – 0 trunk not allowed.  
                                 R – 1 trunk can be accessed.  
                                 EX – 20 – 43 in case of 624.

EX – 00 – 47 in case of 1048.  
EX – 48 for all the extensions.

**Examples:** In 616. to allow extension 29 to access only trunk 2. The program is 71 29 0 1 0 0 0  
0. Note that getting a trunk line also depends on other settings.

**Default:** All extensions have access of all Trunk lines.

#### **CHANGE SYSTEM PASSWORD : 81 PPPP NNNN 1**

The system password can be re-programmed to prohibit unauthorized access to supervisory mode. This is possible only by changing master Password  
81 PPPP NNNN 1

if PPPP & NNNN are same, system master p/w will become PPPP.

If PPPP is not same as NNNN then password will not change. Please note that once Password is forgotten there is no way to know it. The only way is to remove power of RAM chip of the system to set default password as 1234.

**Default:** Master password as 1234.

#### **AUTO CHANGE OVER TIMINGS : 82 W HH MM Hh Mm**

82 W HH MM Hh Mm – Set auto Day/Night Change Over timings.

W - is day of week 0 – 6, 0 as SUNDAY.  
HH - is day mode start hours 00 – 23.  
M M - is day mode start minutes 00 – 59.  
H h - is day mode end hours 00 – 23.  
M m - is day mode end minutes 00 – 59.

**Note:** Auto day/night changeover will take place at pre-programmed timings. Fore.g. if the day timings are 9:00 – 18:00; and at 10.30 it is set to night mode manually, then at 18:00. The system will come into auto changeover mode automatically.

**Default:** 09:00 am to 18:00 pm for all days.

#### **SELF SERVICE GROUP : 91 TRK EX EX ....**

Fill EX' s as Self servicer ringing extension for trunk line TRK for mode 0,2,5,7.

Where EX = 20 – 43 in case of 624.  
EX = 00 - 47 in case of 1048.  
TRK = 70 – 75 in case of 624.  
TRK = 70 – 79 in case of 1048.

A maximum of 4 extensions can be included in a group. H.F. is hook flash to terminate command when desired extensions are programmed.

**Example:** to fill 21 & 22 for Trunk 70 command is 91 70 21 22 H.F. & to fill 25,26,27,34 for Trunk 73 command is 91 73 25 26 27 34 + H.F.

**Default:** Second/third/fourth and fifth extension for all trunk lines.

#### **COMMON SERVICE GROUP : 92 EX EX .....**

92 EX EX EX EX + H.F.- Fill EX's as Common service service ringing extension for trunk lines for MODE 1 & 6.

Where EX = 20 – 43 in case of 624.  
EX = 00 – 47 in case of 1048.

A maximum of 4 extension can be included in a group. H.F. is hook flash to terminate command when desired extensions are programmed.

**Example:** To fill 21 & 22 as common service command is 92 21 22 + H. F. & to fill 25,26,27,34 command is 92 25 26 27 34 + H.F.

*Default: Second/third/fourth and fifth extension for all trunk lines.*

#### U **FILL GLOBAL BANKS: 93 BNK + TRK + Tel no. + H.F.**

where BNK - Bank no 10 – 99  
TRK – 70 – 75 or 0 in case of 624.  
TRK – 70 – 79 or 0 in case of 1048.

This feature enables user to create a pool of external numbers which can be dialled from any extension using only bank dial command. Also some of the banks can be dialled irrespective of class of services of that extension. This feature is known as MODE FREE DIAL. By using this feature any extension can dial bank numbers 55 to 99 irrespective of its class of service. These special banks can be used to store such numbers (i.e. branch office numbers) which are used by everybody. Bank numbers 10 – 54 are dialed as per extension class of service.

**Example:** To fill bank no 12 as for any trunk line with external number as 6229432. Command is 931206229432 + H.F. and to fill the same number in same bank only on trunk line 72. Command is 93 12 72 6229432 –H.F.

**Default:** No banks filled.

#### U **REMOTE PROGRAMMING**

Remote programming is the simplest way to attend the service calls if the machine requires changes in the software programming. This programming can be carried out over the telephone. Remote programming can be carried out only from the tone type of instrument. The procedure for Remote programming is as follows:

- 1) Establish conversation with the required EPABX.
- 2) Ask customer to transfer the call to any extension (not to console).
- 3) Ask customer to do hook flash and dial '#'
- 4) When customer dials '#', both the parties will get a burst tone.
- 5) Now it is up to customer to place the hand set, or he can keep making requests while remote programming is done by the Engineer.
- 6) Now Press '\*' key to start programming.
- 7) Dial command directly without any password.
- 8) Hear confirmation tone.
- 9) To continue programming press '\*' and go to step 7.
- 10) To disconnect place hand set. System will automatically disconnect when no key is dialed for 25 seconds.

<b>QUICK REFERENCE CHART FOR PROGRAMMING</b>
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<b>1.</b>	<b>VRR PROGRAMMING WITH 4 LEVEL</b>	
	a. VRR disable	- 110
	b. VRR record and enable	- 111
	c. VRR enable & play the prerecorded msg	- 112
	d. Busy Message	- 113
	e. Invalid number dialled message	- 114
	f. No number dialled message	- 115
<b>2.</b>	<b>PRINTING</b>	
	a. On line printing without buffer	- 121
	b. Printing off	- 120
	c. Clear all calls without printing	- 122
	d. Start logging of all calls	- 123
	e. Start logging of only STD/ISD calls	- 124
	f. On line printing with buffer	- 129
<b>3.</b>	<b>CBS</b>	
	a. CBS on	- 126
	b. CBS off	- 127
	c. Resend all calls again.	- 128
<b>4.</b>	<b>FACTORY RESET(Clear all settings)</b>	- 141
<b>5.</b>	<b>SET NIGHT CODE</b>	- 21 ZZ
<b>6.</b>	<b>ASMDR PRINTING</b>	
	a. Print ASMDR of Extension	- 22 EX
	b. Printing ASMDR of Trunk line	- 22 TRK
<b>7.</b>	<b>METERING TIME &amp; START DELAY</b>	- 23 T D
<b>8.</b>	<b>FEATURE LOCKING</b>	- 24 F C
<b>9.</b>	<b>VRR MODE</b>	- 24 4 X
<b>10.</b>	<b>SET TRUNK DIALING TYPE</b>	- 30 TRK 0/1
<b>11.</b>	<b>ENABLE/DISABLE A LINE</b>	- 30 TRK 2/3
<b>12.</b>	<b>PAGING RIGHTS</b>	- 33 EL 0/1
<b>13.</b>	<b>BARGE IN WITH TONE RIGHTS</b>	- 35 EL 0/1
<b>14.</b>	<b>BARGE IN WITHOUT TONE RIGHTS</b>	- 36 EL 0/1
<b>15.</b>	<b>RESET PASSWORD</b>	- 38 EX 1
<b>16.</b>	<b>SET BOSS LINE</b>	- 39 EX 1
<b>17.</b>	<b>SET FAX PORT</b>	- 39 EX 2
<b>18.</b>	<b>DEFINE/UNDEFINE AUX.OPR.</b>	- 39 EX 3/4
<b>19.</b>	<b>SET CALL METERING TYPE</b>	- 39 PN 0/1/2
<b>20.</b>	<b>CANCELLATION OF IMMEDIATE HOTLN</b>	- 31 EX 7
<b>21.</b>	<b>SET SECRETARY LINE</b>	- 41 EX EX
<b>22.</b>	<b>SET ONE TERMINATION LINE FOR TRK</b>	- 41 PN EX
<b>23.</b>	<b>SET CLASS OF SERVICES FOR EXT</b>	- 42 EX DN
<b>24.</b>	<b>SET D/N MODES FOR INCOMING TRK</b>	- 42 PN DN
<b>25.</b>	<b>SET SYSTEM TIME</b>	- 43 HH MM
<b>26.</b>	<b>EXT/TRK – WISEFLASH TIME</b>	- 44 LN T
<b>27.</b>	<b>SET SINGLE /TWO RESESTRICED DIGITS</b>	- 52DDDDD
<b>28.</b>	<b>SET SYSTEM DATE</b>	- 61DDMMYYW
<b>29.</b>	<b>SET TRUNK ACCESS RIGHT</b>	- 71 EL 111111..
<b>30.</b>	<b>CHANGE SYSTEM PASSWORD</b>	- 81PPPNNNN1
<b>31.</b>	<b>AUTO CHANGE OVER TIMINGS</b>	- 82WHHMMHHMM
<b>32.</b>	<b>SELF SERVICE GROUP</b>	- 91 PN EX ....
<b>33.</b>	<b>COMMON SERVICE GROUP</b>	- 92 EX ...
<b>34.</b>	<b>FILL GLOBAL BANKS</b>	- 93BBPN ...
<b>35.</b>	<b>REMOTE PROGRAMMING</b>	- H.F.+’ #