User Programming Manual

The User Programming Password is different from User Personnel Password and System Programming Password. To program any of the user system programming, user must enter User or System Programming Password. The extension will remain in programming mode till programmer hangs of cradle completely exceeding flash time or otherwise programmer can proceed without re-entering password by just flashing on busy-tone or else. The default User Programming Password is 5678.

SMDR Printout of All Calls

Your PBX System has memory of 3500+ outgoing & incoming calls. The system have Buffer full LED (Light Emitting Diode) indication on the main panel. This LED starts blinking when SMDR buffer reaches 2800 calls and will blink at a speed of 1 second on in every 45 seconds. The speed will increase and will reach at every second on/off when buffer is 3500 calls. Once the buffer is full, the memory will wipe out and the buffer will be over written with new calls. So take printout at appropriate time and dean buffer once print out is taken.
The Dot Matrix Printer having parallel port (For Alpha-308 serial Printer or PC Hyper Terminal) interface is to be connected to the System's printer port before taking printouts.
To take printout of all calls, dial as follows,

Password + 49 + 2 and hang up.

This will print all calls from the buffer, date wise.

SMDR Selective Printing

One can also take selective print outs for the calls stored in buffer memory as per the parameter passed on to the system. To take the selective printout, dial as follows,

Password + 49 + */Ext + */Trk + */T + */MN + */S.Dt + */E.DT and hang up.

*/Ext All Extension (*) or Particular Extension (Ext)
*/Trk All Trunk (*) or Particular Trunk (Trk)
*/T All calls (*) or type of call
T=0 All calls including incoming and outgoing
T=1 All outgoing calls including memory but excluding incoming calls
T=2 All outgoing calls but excluding memory outgoing and incoming calls
T=3 All outgoing high pulse rate calls but excluding other outgoing and incoming calls
*/MN All duration (*) or calls with exceeding duration in minutes 01-99
*/S.Dt. From start of buffer (*) or calls after a particular date, i.e. Start Date in YY+MM+DD
*/E.Dt. Till end of buffer (*) or calls before a particular date, i.e. End Date in YY+MM+DD
YY Year from 00 to 99, for which filter should be effective
MM Month from 01 to 12, for which filter should be effective
DD Day from 01 to 28/29/30/31, for which filter should be effective

For example, a print out of High Pulse Rate Calls made from extension 31, using trunk 28 exceeding 5 minutes from 1st September, 2003 to 10th October, 2003, dial as follows,

Password + 49 + 31 + 28 + 3 + 05 + 030901 + 031010 and hang up.

Now for the same type of calls but from any trunk, insert * in place of 28 and dial as follows,

Password + 49 + 31 + * + 3 + 05 + 030901 + 031010 and hang up.

Now for the same type of calls but from any extension and any trunk, insert * in place of 31 and dial as follows,

Password + 49 + * + * + 3 + 05 + 030901 + 031010 and hang up.

Now for the same type of calls but from any extension and from 27 trunk only, dial as follows,

Password + 49 + * + 27 + 3 + 05 + 030901 + 031010 and hang up.

Now for all outgoing calls except memory calls from any extension, only from 29 trunk with duration exceeding only 1 minute, dial as follows,

Password + 49 + * + 29 + 2 + 01 + 030901 + 031010 and hang up.

Now for all outgoing calls except memory calls from any extension, from any trunk with duration exceeding only 1 minute but from 1st September 2003, till today dial as follows,

Password + 49 + * + * + 2 + 01 + 030901 + * and hang up.

Stop Printing

To stop printing whether selective or all, required when paper is jammed or wrong selection of parameter or any other reason, dial as follows,

Password + 49 + 0 and hang up.

This stops current printing of the SMDR.

SMDR Data Reset

When printout is taken for all calls or the required calls and the buffer is no more required to store previous calls, always wash out SMDR buffer to avoid repetition of the same calls print outs next time or getting buffer filled at early stage. To reset the data of the buffer dial as follows,

Password + 46 + # and hang up.

SMDR Recording Start Time after Dialing over.

The recording start time of the SMDR for outgoing calls starts as per this timings. The service provider most of the time does not provide signaling information regarding maturity of the outgoing call (Battery reversal or 16 KHz pulse) so all outgoing calls are considered matured after this timing is passed once dialing is over. This timing can be 0 seconds to 9 seconds and can be programmed as follows,

Password + 46 + * + T and hang up.

T = 0-9 seconds

For example, if the time required is 5 seconds dial as follows,

Password + 46 + * + 5 and hang up.

After this programming the call will get registered in SMDR after 5 seconds are over once dialing is done.

SMDR Type of Call Recording.

This programming enables user to use SMDR buffer capacity effectively and enables user to avoid taking printouts frequently. This programming enables the user to register four type calls in SMDR buffer. First is all types of calls incoming or outgoing, second is all outgoing calls, third is all outgoing calls excluding non-High Pulse Rate Memory Calls and fourth option is recording of all outgoing High Pulse Rate Calls only. The High Pulse Rate Calls are those calls with starting digits that matches with High Pulse Rate Call table. This programming is bypassed when the time duration is programmed, as explained in next programming, when the duration exceeds this time for any type of call. To program this, dial as follows,

Password + 46 0 + T and hang up.

T=0 Record all calls incoming and outgoing
T=1 Record only outgoing calls
T=2 Record outgoing calls excluding non-High Pulse Rate memory calls
T=3 Record only High Pulse Rate Outgoing Calls

For example, to record only outgoing calls that too excluding memory calls, dial as follows,

Password + 46 0 + 2 and hang up.

Note: The memory calls here means global memory only and extension personnel memory is considered as a normally dialed calls only and will be registered as per the selection of the programming.

SMDR Call Recording Time Limit

This programming will bypass the option stated above. If the call exceeds the time limit programmed by this programming and the type of call was not programmed for recording, still the call timing will be recorded in the SMDR buffer. To program this, dial as follows,

Password + 46 1 + MM and hang up.

MM= Minutes from 01 to 99. MM=00 is reset

For example, the type of recording is set to only outgoing calls and user also wants to record the incoming calls lasting more than 5 minutes then program as follows,

Password + 46 1 + 05 and hang up.

This will record incoming call timings, which are lasting more than 5 minutes.

SMDR Online Print Programming

Sometimes it is required to have print out of the call when the call is terminated immediately. To program this, dial as follows,

Password + 46 5 + 0/1 and hang up.

0 Disable Online Print
1 Enable Online Print

Make sure printer is connected to printer port when online print is enabled.

Fax Extension Programming

This programming assigns Fax Extension for Auto Fax Homing feature. When voice guidance is enabled for incoming call on any of trunk line and the caller starts Fax from caller's end the call will automatically gets transferred to this programmed extension. There can be two fax extension, and virtually it can be four fax extension when call forward on busy is programmed for these two extensions. The two extensions are required

when dual voice guidance is used and two Fax calls simultaneously come on the trunk line. To program this dial as follows,

Password + 46 4 + Ext + Ext and hang up.

For example, the fax extensions are 34 and 35 then dial as follows,

Password + 46 4 + 34 + 35 and hang up.

The default fax extension is only one extension and it is 35.

Note: This feature is not available in Alpha Model.

Music on Public Address (Paging) System

When Public Address system is connected to the Voice Guidance Card and it is desired to have System Music or External Music connected to system on the Paging System while user is not announcing any thing on Paging System the following programming is to be done as follows,

Password + 46 6 + 0/1

0 Disable Music on PA System

1 Enable Music on PA System

The PA system should have amplifier and system will not drive the speakers alone. When announcement is done, the music will stop automatically, and on completion of announcement, i.e. user hangs off extension, the music will restart.

Note: This feature is not available in Alpha Model.

Waiting period after Voice Guidance Over

This program will set waiting period for incoming call after Voice Guidance Message is over. When the period is set to zero second, the system will not accept any dialing by the caller even when Voice Message is played and once the message is over, the call will get transferred to programmed extension as per the programming of day or night mode ring termination. This zero second time is used when user only wants to give welcome message to the caller and do not want caller to dial extension number. The timings can be independently programmed for both voice guidance chip when dual voice guidance is used in the system. The timings can be 1 second to 9 second as per the Voice Guidance Chip. To program this, dial as follows,

Password + 46 2 + P + T and hang up.

P Voice Chip Number

P=0 For both chip

P=1 for chip-1

P=2 For chip-2

T Timings in Seconds 0-9 seconds

For example, Voice Chip-1 is to be programmed for welcome message and voice Chip-2 for general purpose with delay of 5 seconds for user to dial extension number then program as follows,

Password + 46 2 + 1 + 0 + 46 2 + 2 + 5 and hang up.

Note: This feature is not available in Alpha Model.

Remember, the caller can dial extension number while Voice Message is played and system will accept dialing, if timing programmed are not zero and telephone line is in good condition and not inserting any substantial losses in transmission. The Voice Message Chip can have recording time up to 45 seconds but the exchange will insert pause of the programmed timing, for transferring the call, once the message is over even

if message is just 5 seconds length. That means with a message of 5 Seconds and delay time programmed as 5 Seconds, and if caller does not dials any number, the call will come to default extension on 10th second. For message of 30 seconds, the call will come to default extension after 35 seconds in same situation.

System DOSA Programming

With this programming Direct Outward Station Access is enabled from the system. Despite this programming DOSA access is to be enabled for the extension, so that using that extension password, user can use this feature. The DOSA is used to dial memory number from remote location to the system's DISA enabled trunk line and dialing appropriate password with extension number as given in executive user manual. In DOSA call, the system seizes another trunk line and dials memory number after verifying class of service for the user and establishes trunk-to-trunk conference. To program this feature, dial as follows,

Password + 46 3 + 0/1 and hang up.

0 Disable DOSA on System

1 Enable DOSA on System

Personnel Call Termination

This feature enables direct termination of incoming calls on Particular Extension for Personnel Numbers from Caller ID of incoming call. There can be maximum 16 global numbers with 14-digit length, for which this facility can be availed. When this feature is activated, the DISA and Voice Guidance are bypassed. This Feature works only in Day Mode operation of the system. To program the personnel numbers, dial as follow,

Password + 46 7 + Ext + TN and hang up.

Ext Extension.

TN Telephone Number as it comes on CLID.

For example, the personnel number is 9820042775 and is to be routed to extension 32, then program as follows,

Password + 46 7 + 32 + 9820042775 and hang up.

Now when call comes from the number 98200 42775 it will be terminated to extension 32 irrespective of DISA or day mode termination or STD detection. Now if extension user wants to use executive features from same number and from remote place, the user must activate do not disturb feature while leaving the premises from extension 32.

To erase the table of these numbers, dial as follows,

Password + 46 7 + * and hang up.

This will erase all numbers in the table.

Smart Switch Programming

The smart switch can be programmed for door opener as well, and can be configured as follows,

Password + 46 8 + 5 + 0/1 and hang up.

For example, using smart switch as a door opener program as follows,

Password + 46 8 + 5 + 1 and hang up.

After this programming when enabled user dials # 68, the switch will operate for 30 seconds and will get off after 30 seconds.

Note: This feature is not available in Alpha Model.

Microphone Programming

This programming is required to define how many and which microphones are connected to the system, out of total available seven microphones for access. This can be done as follows,

Password + 46 8 + 6 + */M + 0/1 and hang up.

*	All Microphones
M	Microphone Number
0	Disable Microphone on System
1	Enable Microphone on System

For example, three microphones are connected to the system on port 1, 2, & 4 then program as follows,

Password + 46 8 + 6 + * + 0 + 46 8 + 61 + 1 + 46 8 + 62 + 1 + 46 8 + 64 + 1 and hang up.

These MICs can be accessed by enabled extension or by DISA call, using enabled extension password, by dialing #61, #62 & #63 from local and 61, 62 & 64 from remote respectively.

Note: This feature is not available in Alpha Model.

Recording of Message on Voice Guidance Chips

The both Voice Chips can be recorded and re-recorded for 100 thousand times and message retention is for 100 years as per chip manufacturer's data sheet. The playing of the message does not have any limit. Both the chips can be programmed simultaneously or individually. Any of the chips can be dedicated for security message. To record the voice chips from extension, dial as follows,

Password + 49 # + C and wait for beep.

C=0	Record Both Chips Together
C=1	Record First Chip Only
C=2	Record Second Chip Only

After this program user will get a beep sound and after that announcement is to be recorded. When the message length is less than the chip capacity, hang up the cradle, once recording is over. When the message length is longer than chip capacity, user will get system dial tone on reaching the chip capacity.

For ECO-308 the chip number is not required and programming is as follows,

Password + 49 # and wait for beep.

Note: Not available in Alpha Model.

Listen Music / Voice Guidance 1 / Voice Guidance 2

One can listen system music and the voice message, once it is recorded, in the following way,

Password + 49 9 + 0/1/2 and wait for audio.

0	Listen Music
1	Listen Voice Message of Chip-1
2	Listen Voice Message of Chip-2

In Eco-308, only Voice Guidance of Chip-1 is enabled for listening as follows,

Password + 49 9 and wait for audio.

Note: This feature is not available in Alpha Model.

Attendant Bell Assignment

Your SAMEX system is also equipped to have Attendant Bell for three extensions and assignment is done in following way,

Password + 46 8 + B + */Ext and hang up.

B Bell Number 1-3

* Reset particular Bell assignment

Ext Extension number for respective Bell Number

To reset all bells, program as follows,

Password + 46 8 + 0 and hang up.

For example, Bell 1, 2, & 3 are to be assigned to extensions 30, 31, & 34 respectively, program as follows,

Password + 46 8 + 0 + 46 8 + 1 + 30 + 46 8 + 2 + 31 + 46 8 + 3 + 34 and hang up.

Note: This feature is not available in Alpha Model.

Office Hours Siren

When the system have security siren connected, the siren can be programmed for maximum four timings for which Siren will be ON for 5 seconds for Office & Lunch Hours. This can be programmed as follows,

Password + 46 8 + 4 + T1 +T2 + T3 + T4 and hang up.

T Timing

The Timings are in A.M./ P.M. + HH + MM format, where 0/1 for A.M./ P.M., HH is hours and MM is minutes. One to four timings can be programmed.

To reset the timings, program as follows,

Password + 46 8 + 4 + * and hang up.

For example, to program the timings for office hours and the office timings are 9.30AM to 6.00PM with lunch timings 1.30PM to 2.00PM, program as follows,

Password + 46 8 + 4 + 0 +09+30+1+01+30+1+02+00+1+06+30 and hang up.

It is not necessary to program timings in sequence.

Note: This feature is not available in Alpha Model.

Security System Programming

To use the feature of security system, the required sensors are to be connected to the system and should be defined as given by this programming. The sensors for Intruder & Fire security system comes in either **N**ormally **O**pen (NO) or **N**ormally **C**losed (NC) mode, which means for NO sensors in case of break, sensors will have a closed contact and for NC sensors in case of break, sensors will have an open contact. Multiple NO sensors can be connected in parallel for a particular Zone and similarly, Multiple NC sensors can be connected in series for a particular Zone, to detect a break. The Zones in security can be dedicated for Area or Sensor Type or both together, but for a particular zone, NO & NC both sensors can not be connected. Certain sensors like Smoke Detectors, Glass Break Detectors etc. required power of 12V DC for operation which can be drawn from the SAMEX system with battery back up.

To program Zones on which sensors are connected program as follows,

Password + 46 9 + */Z + 1 + T and hang up.

To disable a zone, which does not have sensors, program as follows,

Password + 46 9 + */Z + 0 and hang up.

* All Zones

Z Zone number 1-6
T Type of Sensors for this Programmed Zone
T=0 NO type Sensor
T=1 NC type Sensor

For example, on zone 1,2 & 3 NO sensors are connected and on zone 4 & 5 have NC sensors but zone 6 is not used, then program as follows,

Password + 46 9 + * + 1 + 0 + 46 9 + 4 + 1 + 1 + 46 9 + 5 + 1 + 1 + 46 9 + 6 + 0 and hang up.

Currently the Entry Delay and Exit Delay are fixed at Two Minutes, but in future course this delay will be programmable, along with defined Fire Zone which will be active for all time.

Note: This feature is not available in Alpha Model.

Panic Switch Programming

The system can have panic switch apart from six zone sensors connectivity and panic switch is to enabled, if connected to the system in following way,

Password + 46 9 + 7 + 0/1 and hang up.

Where 0/1 is disabled/enabled respectively. Auto Dialer will not work for Panic Switch, but only Security Siren will work.

Note: This feature is not available in Alpha Model.

Voice Message on Security Break

This program is used to define Voice Guidance Chip number for Message on Security Break, after auto dialer dials memory number. The auto dialer will work only if Voice guidance Card is connected to the system. The number dialed by the Auto Dialer will be first three numbers of Global Memory and stops dialing on maturity of the first call. This can be programmed as follows,

Password + 46 9 + 0 + V and hang up.

V Voice Chip number
0 For any available Voice Chip Message
1 First Voice Chip Message
2 Second Voice Chip Message

For example on security break the message of second chip is to be given, then program as follows,

Password + 46 9 + 0 + 2 and hang up.

Note: This feature is not available in Alpha Model.

User Programming Password Change

The User Programming Password can be changed. It should be changed from time to time in order to maintain confidentiality and prevent misuse, and should be different from System programming password and personnel password. To change User Programming Password, dial as follows,

Password (old) + 4 + * + New Password and hang up.

Now, after programming this, all programming is to be done by new password, once extension is out of the programming mode.

Note: The new password should be of four digits (like 4321, 1111, 0404 etc.)