Table of Contents

General FINMON programming

The following needs to be programmed for the Finmon radio to work

1. Account code as required at control room – Four digit code. Ensure code is inserted in all locations as some panels require it in more than one location. Where the panel want a six digit code then program the required four digits followed by FF, eg, 1234FF.
2. Telephone number –'5555555' in both primary and secondary locations.
3. Contact ID enabled.
4. Dial attempts - minimum of 6.
5. Dial timeout for kiss-on (if applicable) - minimum 60s. If no timeout available, then ensure that the attempts are sufficient to cover a time of 90s for server send, additional 90s for direct send, and then SMS send (if SMS's are available! Limit is 20 free SMS's per unit per month.)
6. Tone dialling enabled (usually default).
7. Forced dialling enabled.(Mostly Caddx)

Trigger inputs Z1 / Z2 on transmitter

By default the account code is set to '0000' when shipped to client. If then connected to a panel the panel will update the radio with the account code the first time it sends a signal. If the account code is changed on the panel then it will update the radio again.

If connecting directly to Z1 or Z2 then the account code needs to be set by dialling into the radio over the internet. REFER TO YOUR FINMON CONSULTANT OR CONTROL ROOM.

The radio requires a positive 12v trip on either Z1 or Z2

The default settings are;

Z1 – Panic

Z2 – Burglary

Z3 - Open by user / Close by User

Z4 - AC Failure

The trigger inputs can be re-programmed for any contact ID reporting code (for example, supervisor on site etc.) by accessing the radio via the Finmon website (www.finmon.co.za)

Caddx

Caddx

Loc 0   segment 1 = 13 (force dial)

        Segment 2 = 15 (Tone dialling)

        Segment 3 to 9 = 5555555 (Tel number)

Loc 1   segment 1 to 4 = "account code"

Loc 2   Enter a "1" (Contact ID) / On old panels enter a "13"

Loc 89 Partition 2 account code

Loc92 Partition 3 account code

Loc95 Partition 4 account code

Caddx NX

Loc 0   segment 1 = 13

        Segment 2 = 15

        Segment 3 to 9 = 5555555 (Tel number)

Loc 1   segment 1 to 4 = "account code"

Loc 2   Enter a "1" (Contact ID)
Loc 4   Led 2 on for openings / closings
Loc 89 Partition 2 account code
Loc92 Partition 3 account code
Loc95 Partition 4 account code

DSC

Generic

Loc 301 = '5555555' (tel number if LCD Backspace and remove D place 5)
Loc 303 = '5555555' (tel number 2)
Loc 310 = Enter four digit account code followed by FF. eg, to set panel with account code 1234 program
        1234*66 (The *66 represents FF)
Loc 311 = Enter four digit account code (eg 1234)
Loc 350 = 0303
Loc 380 = Led 1 must be on
Loc 381 = Led 7 must be off. Will write CID into reporting codes.
Loc 702 = Led 2 must be on
Set the 24 hour test on the panel
702 = led 3 must b on.
Led keypad - in front of the number is a carat
The solution is in the settings:
Location 009 must be programed 1010. (System event with options for pgm 1 and 2)
Location 501 must be programmed led 2,3,4,5,6,7 and 8 on (Panic pgm1)
Location 502 must be programmed led 1 and 8 on (Burglary pgm 2)

DSC Generic Ticks:

Old panel:
Loc310 is only 4 digits (the hint that you have an old panel)
Use loc 360 instead of 350 for contact id

DSC Neo

Very similar to old Dsc panels but now have sub locations. Mostly sold with LCD keypads - which makes it easier to program.

* 8, Installer Code 5555
Loc 301   sub 001 = Remove D and enter "555 5555" (Tel number 1)
               sub 004 = Remove E (Tel number 4)
Loc 310   sub 000 = Account number 4 digits (Global)
               sub 001 = Partition 1 account number 4 digits
Loc 350   sub 001 = choose contact id
Loc 377 = Scroll to "Test Tx Cycle" and enter 001 days
Loc 380 = Make sure communicator is enabled

IDS

IDS805

Loc 43 to 46 = Account code
Loc 47 = 6 (Contact ID)
Loc 48 to 54 = 5555555
Loc 151 = Default is 4 dial attempts. Putting in 0 will disable the dialer
Tone and force dialling are defaults

App
- Must be v4.37
- Needs Serial Port to be set for Orisec/IDS
- Needs a VALID user code
- ONLY POWER FROM THE SERIAL

IDS816

Loc 111 – Led 1 on, all others off
Loc 116 – 5 for contact ID
Loc 121 – 5555555
Loc 128 Sub 2 - Account code

IDS X64

Loc 41 – default setting should be fine   - set to "5", for Contact ID on Telephone Number 1
Loc 46 – default setting should be fine   - Subloc 1 (LED 1) is ON for Tone dialling
        - Subloc 2 (LED 2) is OFF
        - Subloc 3 (LED 3) is OFF
Loc 47 – default setting should be fine   - set to "6"
Loc 51 – enter digits for Telephone No. 1   - set to "5555555" (seven 5's)
Loc 61 – Account Code Partition 1   - 4 digit code required by monitoring S/W in control room
Loc 62 – Account Code Partition 2   - same as above if 2nd partition is used
Loc 63 to 68 – Account Code Partition 3 to 8, same as above if used

If Open/Close reporting by User is required, refer to the User Manual, and program as follows:

X64 Older than 2017

Hold down the [*] key until the beep, then enter [MASTER CODE] [*] [1] [4] [*] [USER CODE] [*] [BITMAP] [*] [#]

1. Enter User Program Mode - Hold down the [*] key until the beep, then enter [MASTER CODE] [*].
2. Press the [1] [4] keys followed by the [*] key to select programmable option 14.
3. The READY and ARM LEDs flash simultaneously.
4. Enter the [USER CODE] that you want to enable for Open/Close reporting, followed by the [*] key.
5. The READY and AWAY LEDs flash simultaneously, and the ARM LED will be on.
6. Enter the [BITMAP] that you want followed by the [*] key.

7. The READY and AWAY LEDs flash simultaneously, and the ARM LED will be on.
8. Repeat step 6 until you have enabled all the reporting codes that you require.
9. Press the [#] key to exit the current option.
10. Press the [OPTION NUMBER] followed by the [*] key for the next option, or the [#] key again to exit user programming.

Table 1: Enable User Reporting Codes (Per User!)

Subloc / LED	Default	Action
1	OFF	Set to ON to Enable close reporting
2	OFF	Set to ON to Enable stay close reporting
3	OFF	Set to ON to Enable open reporting
4	OFF	Set to ON to Enable siren cancel reporting

NB. THIS MUST BE REPEATED FOR EACH AND EVERY USER THAT YOU WISH TO ENABLE OPEN/CLOSE REPORTING FOR!

X64 New (2017 onwards)

1. Enter Installer Mode.
2. Go to Partition Arm Options (Locations 211-218, for Partition 1 through 8 respectively).
3. Enable option 16 (Open/Closing User Reporting) in each partition that must report user opening or closing. This option is global for all users in the particular partition.

X64 Old and New

Also, you may need to enable arm without user code reporting (for quick-arm and key-switch arming etc.):

Loc 581 – Split Reporting Data Partition 1   - Subloc 7 set to ON, to enable "Armed without user code" reporting.
Loc 582 – Split Reporting Data Partition 2   - Subloc 7 set to ON, to enable "Armed without user code" reporting.
Loc 583 to 588 – Split Reporting Data Partition 3 to 8, same as above if used

X64 Serial (App aswell)

Known working version for app are V2.80

Draw power from the Aux 12V and not from the serial cable.

Loc 40 - Ensure Value 5(CID) is programmed (is by default)
Loc 61 - Account code is required
Loc 196 - 0 values (If you can connect fine but are getting bypassed zones, this loc has a value other than 0 in it)

Unit Version must be 4.39 and serial set to x64

IF its the 24V version you need to add

Loc 71 - Account Code
if you can connect but unable to affect anything check usercode.

Paradox

Paradox MG5050 and SP6000

Section 811 = Account number for partition 1
Section 812 = Account number for partition 2
Section 815 = 5555555
Section 817 = 5555555
The status light on the panel will be solid when dialling. If the panel is not dialling then check;
Section 800 – option 8 must be off
Section 800 – option 4,5,6,7 must be on
Section 802 – option 1 must be on for openings / closings to work
If closings are working but not opening then check;
Section 801 – option 1 must be off

Paradox MG5050 and SP6000 TRICKS

Sometimes (very rarely) a default is needed before the panel will send – even though all programming is correct.
The account number MUST be entered at 811 and 812. With LED keypad just type acc code in twice at loc 811.
There is a jumper on the mother board above the pgms to set to positive trigger. Cant remember which but either the sp6000 or mg5050 only sets one of the 2 pgm outputs as positive and not the other. Paradox are fixing this with the next version of pcb.
Paradox panel 6500 on serial cable does not send account code, and only sends the signal ONCE.

Clear event buffer in the panel. 5050 and 6000
1. programming mode.
2. Stay key once
3. Clear key once.
4. Power panel down
5. Power up and send signals.
6 SP65 Power button then Installer code then memory then 9 enter key.

Evo panel 192 zone

The sections for programming the Evo dialler are as follows.
Section 3036 option 3 must be on to enable the dialler.
Section 3061 is for partition 1 account code, section 3062 for partition 2 etc.
Section 3070 is for the format, you need to put in 4 x 5 for contact ID.
Section 3071 is for telephone number 1

The partition options need to be checked for event call directions sections 3127 to 3829 to tell the panel what events need to be reported.

Lastly the reporting codes need to be enabled this is section 4031, this will enable all the reporting codes for contact ID.

Paradox Evo TRICKS

Programming

After all programming has been completed REBOOT the panel.
Also, disable the dialer module, and then re-enable it. This sometimes clears the module so that it dials correctly.

NEVER use an account code starting with a "0" eg. 0001 rather use 1001.
Also rather use a A eg. 1AA1 (press "stay" button to get a hex A).

Using PGM triggers on Paradox Evo

Before you start make sure that the jumper for Pgms is set to positive on panel motherboard.
If not shut down and change jumper and power up again.
Note that pgm1 stays negative only pgm 2, 3 and 4 become positive.

Pgm2 for Panic
0920 - 030 255 000 000
0928 - 005
0929 - leds 1 and 3 on

Pgm3 for Burglary
0930 - 024 255 000 000
0938 - 005
0939 - leds 1 and 3 on

Pgm4 for Open and Close
0940 - 064 255 000 000
0948 - 000
0949 - all leds off

Connect radios Z4 (Ac fail) to 1st AC connect block on panel.

Evo 848

Loc521 Dialer optionsLED 3,4,5,6 must be ON. All others OFF.
Loc550 Format contact id   5555
Loc551   Account code 4 digits
Loc561   Phone number

Paradox Evo 848 TRICKS

After all programming has been completed REBOOT the panel.
NEVER use an account code starting with a "0" eg. 0001 rather use 1001.
Also rather use a A eg. 1AA1 (press "stay" button to get a hex A)
Very old panel – may have age related issues.

Texecom

Texecom 412/816/832

Known working version for app are V16.13 , V9
Known working version for 832 are v13, v14

Installer code + menu + 9 (default IC is 1234)
Loc 70 – Switch on leds 1,2,5 and 8 (press the arm button)
Loc71 / 0 = 5555555 (tel number) (press the arm button)
Loc 71 / 1 = four digit account number (press the arm button)
Loc71 / 2 = enter a 4 (contact id) (no need to press arm)
Loc71 / 3 = enter a 6 (dial attempts) (no need to press arm)
Loc71 / 5 = switch on all leds (press the arm button)
Loc 76 / 8 = LED 8 on.

IF ON SERIAL
Loc71 / 8 = LED 8 on.

Texecom 412 Serial

Known working version for app are V14

Installer code + menu + 9 (default IC is 1234)
Loc 70 – Switch on leds 1,2 and 8 (press the arm button)
Loc 71 / 1 = four digit account number (press the arm button)
Loc71 / 2 = enter a 4 (contact id) (no need to press arm)
Loc71 / 3 = enter a 6 (dial attempts) (no need to press arm)
Loc71 / 8 = switch on 8
Loc 76 / 5 = 3 (com IP on Comm 1)
or (NOT BOTH)
Loc 76 / 9 = 3 (com IP on Comm 2)

Texecom panels where the panel was previously talking on a serial port and now want Tip and Ring on Finmon GSM, please check the following Locations:
Loc 71/8 = 0
Loc 76/5 = 0

Texecom 8168

Serial cable connection must be a Texicom GSM.

Texecom Mialarm PANEL MODE

1 - Enter Installer Code, press Menu button then 9 button
2 - Press 76 & then 0 button
3 - Make sure LED 1 is on, if not press 1 and then YES/Tick button
4 - Press 2 button
5 - Put in 1234 and then YES/Tick Button
6 - Press 5
7 - Press 3
8 - Press Menu button
9 - Press 99

Orisec

1 - Installer Code
2 - Programming Menu then Tick / Enter
3 - Com Port Setup then Tick / Enter
4 - Select Com Port number + Set the mode to CID Serial or FINMON (if using the app, Finmon must be selected)
5 - HOLD TICK TO GO BACK
6 - Go to ARC Setup
7 - Number - 555 5555
8 - Protocol - Contact ID
9 - Dial Seq - 66
10 - Any issues with not sending RESTART PANEL

App

- Must be v4.37
- Serial Port must be set to Orisec / IDS
- MUST BE SET TO FINMON under Comm Port Setup

IF YOU ARENT GETTING SIGNALS OUT REBOOT THE PANEL, (if you have connected the serial port with the panel powered up it doesnt see it and you need to reboot)

Mialarm Troubleshooting

- If you get error code 205 it means Invalid Usercode
- If you get error code 204 it means the unit is unable to connect with the app (ie, signal issues, faulty serial cable, panel isnt functioning or various things like that, could also include usercode if there are issues with the network or other factors.)
- Device busy could mean its trying to change mode