

THANK YOU FOR CHOOSING IDS TO PROTECT YOU

Thank you for purchasing an IDS X-SMSV2 module. IDS X-SMSV2 offers powerful, versatile and highly configurable reporting and control capabilities, which will keep you, informed and in control of your X-Series alarm system when away from your premises.

This Installer manual covers all installation topics and basic programming.

The full set of control functions is available in the User Manual included in this package. For further information, please visit, www.idsprotect.com.

Note: Please read the entire installer manual before attempting the installation!

Installation Steps

The following is a quick description of the steps to follow to get the X-SMSV2 working with the minimum of instructions:

STEP 1: Wiring

- Connect 12V DC.
- Connect serial cable.
- Short J1. (on the X-Series board)

STEP 2: X-Series programming (Must be version 2.52 and above)

- Programme the X-Series alarm panel, location 196 & account codes.

STEP 3: Configuring the X-SMSV2 unit

- SMS the X-SMSV2 unit with the master number.

Defaulting

It is always good practice to perform a factory default before programming. Please follow these steps:

1. Remove power from the Xsms v2 unit.
2. Press and hold the default button.
3. Power up the X-SMSV2.
4. When an LED comes on, release the default button.

Installation

STEP 1: Wiring (Refer to figures overleaf)

1. Connect the 12V positive and negative to the auxiliary 12V positive and negative on the X-Series alarm panel or to the Tx 12v output.
2. Connect the serial cable to the X-SMSV2 and X-Series alarm panel serial connectors. Fig 1 & 2
3. Short J1 on the X-Series alarm panel. Fig 1 (not required for X-Series panel versions v2.52 and above)

Programming the X-Series Alarm Panel

All programming is done in the X-Series "Installer Mode".

1. Enter the Installer Code. (By default [9][9][9][9][*])
2. Enter any six digit code into location 196. ([1][9][6][*])
3. Enter the location for the partition that must report via X-SMSV2. Partition 1 = 61, 2 = 62, 3 = 63, etc. ([6][1][*])
4. Enter the four digit account code if an account code has not been entered before, to report to a security company. ([1][2][3][4][*])
5. Exit from the "Installer Mode". [#]

Note: All information that must be reported must be enabled in reporting options on the X-Series alarm panel!

Configuring the X-SMSV2 Unit

Phone Number Categories

All phone numbers fall into one of three categories, Master, Arming, or Reporting, Entering phone numbers into the SMS unit is done via SMS's from a "Master Phone Number". In the default state any cell phone can be used to enter the first "Master Phone Number", once entered the phone with that cell number must be used to enter more cell numbers or control the system.

Master Phone Number

Master phone numbers have the highest level of access to the SMS Module. Master phone numbers are allowed access to all configuration data. Only master numbers are permitted to add phone numbers to the system.

Arming phone Numbers

Arming phone numbers are given standard user rights, i.e. arm, disarm, bypass and query the Alarm Panel and receive reports.

Reporting Phone Numbers

Reporting phone numbers are only permitted to receive reports from the SMS module, and to temporarily turn off reporting to that number.

How Phone Numbers relate to User Codes

The SMS module works on the basis of phone numbers, with each phone number being a user on the SMS module. The SMS module users' cell numbers are in no way linked to User Codes on the alarm panel. The SMS module will only accept commands from known phone numbers and will reject commands from unknown numbers or numbers not authorised for the command sent.

Note: In all examples to follow the default master user code has been used. Please replace with the valid master user code programmed into the panel.

Any allowed messages are passed to the panel. The panel elects to execute the command based on the following:

- Validity of the user code within the alarm.
- The properties of the user code within the alarm.
- The current status of the panel.

For a person to send a successful command, the following conditions must be met:

- The phone number must be programmed into the X-SMSV2 unit.
- The user's cell phone number must not be hidden.
- The phone number must be allocated to a group that allows the specified command.
- The user code must be programmed into the panel.
- The user code properties must be enabled for the specified command.
- The action must be possible in the current panel status.
- The command string must be correct and with all the required information.

Command Set

There are multiple command sets that can be used to configure or communicate with the SMS module. Each command is not case sensitive and they all follow the same format to be easy to remember and use.

[code] space [command] space [extended command] space [data]

Code – Valid alarm user code with the appropriate rights, stored in the alarm panel.

Command – A string that identifies the function that you are wanting to access in the alarm panel.

Extended Command – Any supplementary information the function requires. (Not always required will depend on the function you are accessing)

Data - Any extra information the extended command requires.

Note: The cell networks limit the number of characters to 160.

Feedback sent to your phone number:

- Confirmation that the command sent was successful and the action was executed.
- Failed message if unsuccessful.

Adding phone numbers

The "Add" command is sent to add a new authorised phone number to the SMS Module. You must specify whether the new phone number is a Master Phone Number, Arming Phone Number or a Reporting Phone Number. The cell phone owners name can be associated with the number being added with the 'Add' command. (Xsms v2 version 1.06 & above.)

Note: Names associated to different cell phone numbers cannot be the same

Desired Action	Code	Command	Ext. Cmd	Data
Add phone number as a Master number	1234	Add	Master	Phone Number:Name
Add phone number as an Arm number	1234	Add	Arming	Phone Number:Name
Add phone number as a Reporting number	1234	Add	Reporting	Phone Number:Name

Set the unit to retrieve the time from the Cell network	1234	Add	Time*	Phone Number
Add user name if the cell number was added without a name	1234	Cellnumber	Name	Phone Number:Name

* The ext. command "Time" is to enable the X-SMSV2 unit to update the X-Series alarm panel's time and date, which will automatically happen when enabled; five minutes after power up and weekly from then.

NOTE: Setting the unit to update time will require an SMS to be sent once a week to retrieve the time and date from the cell network. This will be done automatically.

Deleting

To delete a phone from using the Xsms module you can delete via phone number or user name if a user name has been associated to the phone number.

Desired Action	Code	Command	Ext. Cmd	Data
Deleting a phone number	1234	Delete		Phone Number/Name
Deleting a name associated to a phone number	1234	Delete	Name	Persons Name

NOTE: This is only a master phone number command.

List

With this command a master user can list all current cell numbers that have been added to the X-SMSV2 unit and see what functions have been enabled for them.

Desired Action	Code	Command	Ext. Cmd	Data
List phone numbers	1234	List		Numbers

Naming User codes

Alarm panel user codes can be associated to user names for easier identification as the feedback sms will contain the user name.

Desired Action	Code	Command	Ext. Cmd	Data
Assign user code to a user name	1234	Usercode	Name	1:Name

Reporting

The "report" command selects what reports you want to receive on that cell number.

NOTE: Only events that are enabled on the alarm panel will be reported and a reporting code must be added in location 61. Only a "Master Phone Number" can allocate partitions to a phone number.

Each phone number can choose how they want to receive the messages or turn off messages.

Valid Extended Commands and Data entries:

On/Off – Enables/Disables all reporting.

Global – All enabled X-Series events that are not partition related are report to the phone that is enabled to receive all event reporting.

Type – Enables the type of reporting that the phone number will receive.

There are three types to choose from:

1. Raw – A contact ID string is sent to the phone.
2. Full – All enabled events will be sent to the phone in English.
3. Reduced - Only the following will be reported: Arm/Disarm, Zone violations/restorals, All Panics, Duress, Medicals, AC Fail/Restore and Battery Low/Restore.
4. Minimal – Only the following will be reported: Keypad panic, Medical & Fire, Panic or Duress, AC Fail/Restorals, zone violations and Low Battery/restorals & Zone tamper

Desired Action	Code	Command	Ext. Cmd	Data
Turn on partial reporting for P1 & P3	1234	Report	On P1, P3	Phone Number/Name

Default: On (Enables partial reporting)

Desired Action	Code	Command	Ext. Cmd	Data
Turn on partial reporting for P3, P4, P8 partitions & global events	1234	Report	On P3,P4,P8,global	Phone Number/Name

Changing the type of reporting the phone will receive. This is to be sent from the phone number being changed.

Desired Action	Code	Command	Ext. Cmd	Data
Turn on full reporting for P2 & P5	1234	Report	Type	Full Phone Number/Name

Naming

Note: All names may not start with a number, e.g. 2Bedroom, 3Cottage, etc.

Site Name

Site names are used to identify individual SMS Modules. Access to the site name command is restricted to Master Phone Numbers. Site names will always be sent with all SMSes and by default is "IDS SMS". Site names are limited to 12 characters.

Desired Action	Code	Command	Ext. Cmd	Data
Assigning a site name	1234	Site	Name	Home

NOTE: Any spaces before or after the name will be part of the name.

Names are case sensitive.

The X-Series alarm system does not use site names and these cannot be added via the keypad.

Partition Names

Used to name partitions to make it easier to remember and identify what each partition is. Partition names can be used with commands and will be used in feedback SMSes.

Desired Action	Code	Command	Ext. Cmd	Data
Name partition 1 "Main House"	1234	Partition	Name	1:Main House
Name partition 2 as "Granny Flat" & partition 3 as "Garage"	1234	Partition	Name	2:Granny Flat, 3:Garage

NOTE: Any spaces before or after the name will be part of the name.

Names are case sensitive.

The X-Series alarm system does not use partition names and cannot be added via the keypad.

Zone Names

This command is used to name zones if they have not been named via the X-Series keypad.

Desired Action	Code	Command	Ext. Cmd	Data
Name zone 1 as "Kitchen"	1234	Zone	Name	1:Kitchen
Name zone 2 "Lounge" & zone 5 "Patio"	1234	Zone	Name	2:Lounge, 5:Patio

NOTE: If a space is inserted before or after the name then the space becomes part of the zone name.

If a zone is named via SMS it will over write the zone name on the system.

Names are case sensitive.

Programmable Output Names

PGM command controls the programmable outputs on the X-Series alarm panel. PGMs may be referred to by their number or their name.

Valid Extended Commands:

Each output can be given a more meaningful name for easier control

Desired Action	Code	Command	Ext. Cmd	Data
Name PGM 5 Lights	1234	PGM	Name	5:Lights

NOTE: commands will override the alarm panel's PGM status.

The X-Series alarm system does not support programmable output names and these cannot be added via the keypad.

Burglary/Restore String Naming

This feature allows for the renaming of default reported information when a zone is triggered and restored when the system is armed.

Example: Currently if zone 6 is triggered while the system is armed an sms would contain, "Site Name P1 Z06 Burglary" this can be changed with the violation naming function to "Site Name P1 Z06 Open" and the restoral to "Site Name P1 Z06 Closed".

Desired Action	Code	Command	Ext. Cmd	Data
Naming zone 6 burglary reporting string	1234	burglary	Name	6:Open
Naming zone 6 Restoral reporting string	1234	Restore	Name	6:Closed

Missed Call Function

There is a new feature in the Xsms v2 that allows one to call the number of the SIM card in the Xsms v2 unit, and have it perform a specific customized command. Once the Xsms v2 unit has received a call and confirmed it is an authorised cell number it will disconnect the call and the Xsms v2 module will execute the command associated to the missed call function. No confirmation sms will be sent. If the command is not executed a sms will be sent to the cell number that initiated the missed call.

The following list of commands can be associated to the missed call function:

Arming / Disarming, Triggering programmable outputs and bypassing / un-bypassing zones.

Desired Action	Code	Command	Ext. Cmd	Data
Enable a phone for miss call function	1234	Missedcall	Enable	Phone number
Enable user phone for miss call function	1234	Missedcall	Enable	Name (Name must exist in the Xsms v2 unit)
Disable a user from Missedcall	1234	Missedcall	Disable	Phone Number/Name
Trigger PGM 6	1234	Missedcall	Set	SMS string (1234 Pgm on 6)
List all numbers enabled for missed call	1234	list		numbers

Note: SMSes will be not be sent for executed commands of missed calls, only if the command is not executed a sms will be sent to the cell number that initiated the missed call.

Hints

Hints are sent with responding SMSes from the Xsms v2 module, to help you with handling command syntax or what other commands you may want to use in context to the reply. Default is on

Master users can enable or disable all usershins and arm/disarm users can only change their own.

Desired Action	Code	Command	Ext. Cmd	Data
Enable/Disable hints	1234	Hint		On/Off Phone number/Name

Example:

Sending an incorrect stay profile number when trying to stay arm.

Hint switched OFF:

Sent: **1234 arm s5 p1**

Receive: **IDS SMS: "IDS SMS. Arm Failed. Invalid Stay Profile Selected."**

Hint switched ON:

Sent: **1234 arm p1**

Receive: **IDS SMS: "IDS SMS Arm Failed. Invalid Stay Profile Selected. HINT: s1,s2,s3,s4 are valid stay profiles."**

Help

The help command will provide assistance with the syntax of the commands.

Desired Action	Code	Command	Ext. Cmd	Data
To list all commands available in help	1234	Help		
Help with arm command	1234	Help		arm

Example:

- ◆ To get a list of all the commands you can receive help with:
Send: **1234 help**
Return message: **arm, disarm, partition status, name, bypass, unbypass, airtime, event, lockout, pgm, zone, report, add user, remove user, list.**
- ◆ Ask for help with zone status:
Send: **1234 help zone**
Returned message: **Check zone status example: 1234 Zone Status p1**

Diagrams

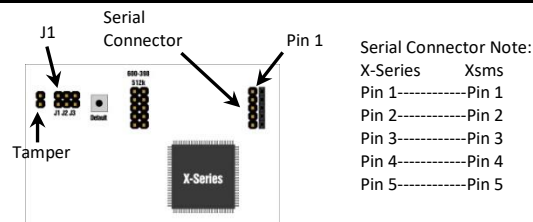


Fig. 1: X-Series Serial Connector

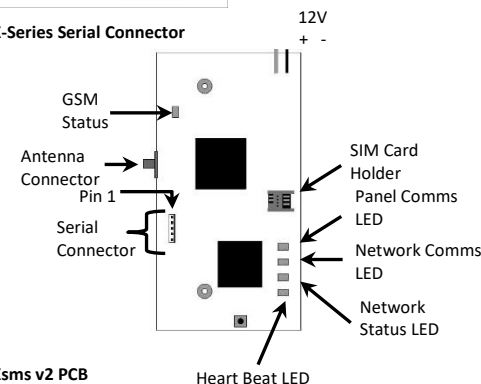


Fig. 2: Xsms v2 PCB

Status LEDs

GSM Connect Status

LED flashes once per second if not connected and once every three seconds when connected to the Cell network and the signal strength is good enough to communicate.

Heart Beat

LED Flashes when the unit is running and the power up sequence has completed.

Network Status

LED Flashes when connected to the Cell provider's network and accepted by the service provider.

Network Comms

LED on when communicating with the Cell network and off when no communication.

Panel Comms

LED is on solid when communicating with the X-Series alarm panel on startup. Thereafter communication with the panel is indicated by the flashing of this LED.