

# IDS XSMS<sup>LTE</sup> Module Training Guide



SOUTH AFRICA'S LEADING MANUFACTURER AND DISTRIBUTOR OF  
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## Introduction

IDS X-SMS offers powerful, versatile and highly configurable SMS reporting and control capabilities, which will keep you informed and in control of your X-Series alarm system when away from your premises. The X-SMS module works with IDS X-Series panels from version 2.3x and above.

In this training guide we will cover step by step how to install the IDS X-SMS Module, we will explain the concept of programming the unit and go through some of the main commands.

## 1. Basic Programming

In this next section we will discuss the basic programming needed to get started with the X-SMS Module.

### 2.1. Command structure

All commands follow the same command structure to make programming easy to remember. The command structure goes as follows:

[CODE] *space* [COMMAND] *space* [EXTENDED COMMAND] *space* [DATA]

Where:

**Code** – A valid alarm user code stored in the X-Series Alarm Panel.

**Command** – The function that you are wanting to access in the X-series Alarm Panel.

**Extended Command** – Supplementary information the command requires. (Not always used)

**Data** – The value/setting required of the command/extended command.



The cell networks limit the number of characters to 160 per SMS.

The X-SMS Module doesn't store any user codes, it just sends them to the X-Series Alarm Panel. Make sure the code you use has the appropriate permissions in the X-Series Alarm Panel.



## 2.2. Adding Phone Numbers

In the default state any cell phone can be used to enter the first “Master Phone Number”, you can only add another phone number to the X-SMS Module using a “Master Phone Number”.

There are types of categories a phone number can fall under:

### Master Phone Number

Master phone numbers have the highest level of access to the SMS Module, they are allowed access to all configuration data.

### Arming phone Numbers

Arming phone numbers have permissions for all panel functions, arm/disarm, panel status, bypass zone, PGM control 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.

To add a Master Phone Number you will use the following information:

**Code** – 1234 (a user code)

**Command** – Add

**Extended Command** – Master (category the number must be under)

**Data** – 074 049 2481 (the number to be made master)

The SMS should look like this:

**1234 add master 0740492481**

All phone number commands:

Action	Code	Command	Ext. Command	Data
Add phone number as an Master number	1234	Add	Master	074 049 2481
Add phone number as an Arm number	1234	Add	Arming	073 917 0759
Add phone number as a Reporting number	1234	Add	Reporting	071 348 9467
Deleting a phone number	1234	Delete		074 049 2481

## 2.3. Reporting

Each phone number can turn reporting off, as well as choose how they want to receive reporting messages.

**On/Off** – Enables/Disables reporting to the phone that sent the SMS.

**Global** – Events that are not partition related. Eg. Ac Fail.

**P1;P2;P3...** – Events that are partition based. (P1 for partition 1, P2 for partition 2 and so on) Eg. Arm/Disarm.

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

There are three types to choose from:

**Raw** – A contact ID string is sent to the phone.

**Full** – All enabled events will be sent to the phone in English.

**Reduced** - Only the following will be reported: Arm/Disarm, Zone violations, Panics, AC Fail/Restore and Battery Low/Restore. (This is the default)

To turn on reporting for partition 1 and global you will use the following information:

**Code** – 1234 (a user code)

**Command** – Report

**Extended Command** – On P1, global

**Data** – 074 049 2481 (the number to receive the reporting SMSes)

The SMS should look like this:

**1234 report on p1,global 0740492481**

To change reporting to full you will use the following information:

**Code** – 1234 (a user code)

**Command** – Report

**Extended Command** – Type

**Data** – Full 074 049 2481

The SMS should look like this:

**1234 report type full 074 049 2481**

All reporting commands:

Action	Code	Command	Ext. Command	Data
Turn on reporting for partition events	1234	Report	On P1,P2,P3.....	074 049 2481
Turn off reporting for global events	1234	Report	Off Global	073 917 0759
Turn on reporting for partition and global events	1234	Report	On P1,P2,Global	071 348 9467
Turn on full reporting	1234	Report	Type	Full 074 049 2481
Turn on reduced reporting	1234	Report	Type	Reduced 074 049 2481
Turn on raw data reporting	1234	Report	Type	Raw 074 049 2481



Only events that are enabled on the alarm panel will be reported.  
Only a "Master Phone Number" can allocate partitions to a phone number.

## 2.4. SMS Threshold

By default there is a threshold of 20 SMSes per day to a single phone number. You can increase or decrease this threshold by sending a threshold command.

To increase the threshold to 50 SMSes you will use the following information:

**Code** – 1234 (a valid user code)

**Command** – Report

**Extended Command** – Threshold

**Data** – 50 (Number of SMSes) 073 917 0759

The SMS should look like this:

**1234 report threshold 50**

To decrease the threshold to 14 smses you will use the following information:

**Code** – 1234 (a valid user code)

**Command** – Report

**Extended Command** – Threshold

**Data** – 14 (Number of SMSes) 071 348 9467

The SMS should look like this:

**1234 report threshold 14**

Action	Code	Command	Ext. Command	Data
Increase the reporting threshold to 50 SMSes	1234	Report	Threshold	50 073 917 0759
Decrease the reporting threshold to 14 SMSes	1234	Report	Threshold	14 071 348 9467

## 2.5. Arm/Disarm

Master and Arming phone numbers are able to arm or disarm the X-Series Alarm Panel in multiple profiles. Arming the panel requires a valid user code for the partition you want to arm/disarm.

To away arm partition 1 you will use the following information:

**Code** – 1234 (a valid user code in partition 1)

**Command** – Arm

**Extended Command** – *\*Not needed*

**Data** – P1 (Partition number)

The SMS should look like this:

**1234 arm p1**

To arm partition 3 in stay profile 2 you will use the following information:

**Code** – 1234 (a valid user code in partition 1)

**Command** – Arm

**Extended Command** – S2 (Stay Profile number)

**Data** – P3 (Partition number)

The SMS should look like this:

**1234 arm s2 p3**

All arm/disarm commands:

Action	Code	Command	Ext. Comm	Data
Away arm all partitions	1234	Arm		All
Away arm P1 & P3	1234	Arm		P1,P3
Stay arm P2 in stay profile 3	1234	Arm	S3	P2
Stay arm P1 & P4 in stay profile 1	1234	Arm	S1	P1,P4
Disarm all partitions	1234	Disarm		All
Disarm P2	1234	Disarm		P2
Disarm P5 & P6	1234	Disarm		P5,P6

## 2.6. Bypass/Unbypass

When needed you are able to send a command to bypass or unbypass a specific zone/s. You must specify which zones to bypass in the data field.

To bypass zone 3 you will use the following information:

**Code** – 1234 (a valid user code)

**Command** – Bypass

**Extended Command** – *\* Not needed*

**Data** – 3 (Zone number)

The SMS should look like this:

**1234 bypass 3**

To unbypass zones 4 and 9 you will use the following information:

**Code** – 1234 (a valid user code)

**Command** – Unbypass

**Extended Command** – *\* Not needed*

**Data** – 4,9 (Zone numbers)

The SMS should look like this:

**1234 unbypass 4,9**

All bypass/unbypass commands:

Action	Code	Command	Ext. Comm	Data
Bypass zone 1	1234	Bypass		1
Bypass zone 3,4,8,10	1234	Bypass		3,4,8,10
Bypass named zone "Passage"	1234	Bypass		Passage
Bypass named zone "Lounge" & "Kitchen"	1234	Bypass		Lounge, Kitchen
Unbypass Zone 5	1234	Unbypass		5
Unbypass "Kitchen"	1234	Unbypass		Kitchen

## 2.7. Panel Status

Using the X-SMS Module you are able to check the status of various parts of the panel, such as Arm Status, Zone Status, Bypass Status, and PGM Status.

To check the arm status of partition 1 you will use the following information:

**Code** – 1234 (a valid user code in partition 1)

**Command** – Arm

**Extended Command** – Status

**Data** – P1 (Partition number)

The SMS should look like this:

**1234 arm status p1**

To check the zone status of partition 3 you will use the following information:

**Code** – 1234 (a valid user code in partition 1)

**Command** – Zone

**Extended Command** – Status

**Data** – P3 (Partition number)

**\*You can only check the zone status of a partition when the partition is unarmed**

The SMS should look like this:

**1234 zone status p3**

To check the bypass status of zone 1 you will use the following information:

**Code** – 1234 (a valid user code in partition 1)

**Command** – Bypass

**Extended Command** – Status

**Data** – 1 (Zone number)

The SMS should look like this:

**1234 bypass status 1**

To check the PGM status of PGM 4 you will use the following information:

**Code** – 1234 (a valid user code in partition 1)

**Command** – PGM

**Extended Command** – Status

**Data** – 4 (PGM number)

The SMS should look like this:

**1234 pgm status 4**

All status commands:

Action	Code	Command	Ext. Comm	Data
Retrieve the status of all partitions	1234	Arm	Status	All
Retrieve the status of P1	1234	Arm	Status	P1
Retrieve the status of P3 & P6	1234	Arm	Status	P3,S6
Retrieve the status of zones in partition 1	1234	Zone	Status	P1

Action	Code	Command	Ext. Comm	Data
Retrieve the status of zones in partition 1 & 3	1234	Zone	Status	P1,P3
Get PGM 8's status	1234	PGM	Status	8
Get PGM Gate's status	1234	PGM	Status	Gate
Retrieve bypass status of zone 1	1234	Bypass	Status	1
Retrieve status of "Lounge"	1234	Bypass	Status	Lounge

## Command Table

Action	Code	Command	Ext. Command	Data
<b>Phone Numbers</b>				
Add phone number as a Master number	1234	Add	Master	074 049 2481
Add phone number as an Arm number	1234	Add	Arming	073 917 0759
Add phone number as a Reporting number	1234	Add	Reporting	071 348 9467
Deleting a phone number	1234	Delete		074 049 2481
<b>Reporting</b>				
Turn on reporting for partition events	1234	Report	On P1,P2,P3.....	074 049 2481
Turn off reporting for global events	1234	Report	Off Global	073 917 0759
Turn on reporting for partition and global events	1234	Report	On P1,P2,Global	071 348 9467
Turn on full reporting	1234	Report	Type	Full 074 049 2481
Turn on reduced reporting	1234	Report	Type	Reduced 073 917 0759
Turn on raw data reporting	1234	Report	Type	Raw 071 348 9467
Increase the reporting threshold to 50 SMSes	1234	Report	Threshold	50 074 049 2481
<b>Arm/Disarm</b>				
Away arm all partitions	1234	Arm		All
Away arm P1 & P3	1234	Arm		P1,P3
Stay arm P2 in stay profile 3	1234	Arm	S3	P2
Stay arm P1 & P4 in stay profile 1	1234	Arm	S1	P1,P4
Disarm all partitions	1234	Disarm		All
Disarm P2	1234	Disarm		P2
Disarm P5 & P6	1234	Disarm		P5,P6
<b>Setting Time</b>				
Set the X-SMS to retrieve the time once a week	1234	Add	Time	061 458 2504

<b>Naming</b>				
Assigning a site name	1234	Site	Name	Home
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
Name zone 1 as "Kitchen"	1234	Zone	Name	1:Kitchen
Name user 1 as John ( <i>users 1-16</i> )	1234	User	Name	1:John
Name zone 2 "Lounge" & zone 5 "Patio"	1234	Zone	Name	2:Lounge, 5:Patio
Name PGM 5 Lights	1234	PGM	Name	5:Lights
<b>Bypass/Unbypass</b>				
Bypass zone 1	1234	Bypass		1
Bypass zone 3,4,8,10	1234	Bypass		3,4,8,10
Bypass named zone "Lounge" & "Kitchen"	1234	Bypass		Lounge, Kitchen
Unbypass Zone 5	1234	Unbypass		5
Unbypass "Kitchen"	1234	Unbypass		Kitchen
<b>Turn PGM's On/Off</b>				
Turn PGM 1 on	1234	PGM	On	1
Turn PGM 3, 4 & 5 off	1234	PGM	Off	3,4,5
Pulse PGM 2 Low	1234	PGM	PulseL	2
Pulse PGM 3 High	1234	PGM	PulseH	3
<b>Panel Status</b>				
Retrieve the status of all partitions	1234	Arm	Status	All
Retrieve the status of P1	1234	Arm	Status	P1
Retrieve the status of P3 & P6	1234	Arm	Status	P3,S6
Retrieve the status of zones in partition 1	1234	Zone	Status	P1
Retrieve the status of zones in partition 1 & 3	1234	Zone	Status	P1,P3
Get PGM 8's status	1234	PGM	Status	8
Get PGM Gate's status	1234	PGM	Status	Gate
Retrieve bypass status of zone 1	1234	Bypass	Status	1
Retrieve status of "Lounge"	1234	Bypass	Status	Lounge
<b>Event Log</b>				
Retrieve the last 5 Events	1234	Event	Panel	5
<b>Lockout Phone Number</b>				
Temporarily disable a phone number	1234	Lockout	On	074 049 2481
Enable a phone number after being disabled	1234	Lockout	Off	074 049 2481
<b>Manage Airtime</b>				
Save balance string in the SMS module	1234	Airtime	Command	Enter the string supplied
Add airtime	1234	Airtime		Network supplied string