

PLEASE MAKE SURE THAT THIS MANUAL IS FOR THE SOFTWARE VERSION OF THE COMMUNICATOR IN USE

This manual will explain the command structure and all commands that are valid for the SMS communicator.

SMS COMMAND FORMAT

Please note: ALL commands are CASE-SENSITIVE.

The Commands below illustrate the Instruction Format.

[.Command][Space][Data][#]
.A +27425874585#

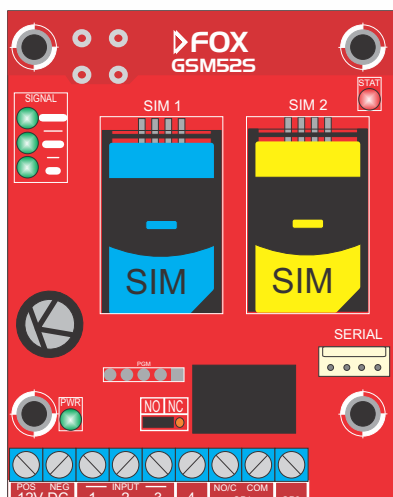
[.Command][Space][Data][Space][Extended Data][#]
.A +27425874585 10101010#

Multiple .A Commands can also be issued in a single SMS by replacing the (.) with a star(*) character for consecutive instructions.

[.Command][Space][Data][Space][*][Command][Space][Data][#]
.A +27415875874 *A +276589745858#

For commands where TEXT is entered, a single apostrophe (') at the beginning and a single apostrophe at the end is used.

[.Command][Space]['Text Data'][#]
.ADR 'no123, Peter Drive, Durban'#
.PR2 'Perimeter' 3#



STANDERD SETUP COMMANDS

Adding Master User	.M1
Adding Numbers	.A
Delete Numbers	.D
Delete Own Number	.DN
Request Stored Numbers	.N?
Setting Auto Test interval	.AT
Global Settings 1	.G1
Global Settings 2	.G2
Global Settings 3	.G3
Global Settings 4	.G4
Global Settings 5	.G5
Setting Unit Defaults	.DF
Master User Reset	.MR
Master Reset Unit	.MRD

TEXECOM SERIAL COMMANDS

Panel Health	.HP
System Commands	.System

Add Partition Profile	.PR1-8
Bypassing Select Zones	.Bypass

STANDARD USER COMMANDS

Remove SIM Card	.RS
Setting Pulse Time for Output 1	.PO1
Setting Pulse Time for Output 2	.PO2
Set AC Fail/Restore Delay	.ACT
Add Third Party Master	.AM
Adding Administrator	.AA
Adding Access	.AAC
Request Health Status	.H
Gate Re-Trigger Time	.GRT
Activating Outputs	.OP1-5
Renaming Address Text	.ADR
Renaming Input Text	.Ixx
Airtime Setup	.AS
Airtime Request	.AIR
Airtime Reminder	.AR
Base Station Add	.BA
Base Station Delete	.BD

CMD	Description	Syntax/Example	Access
.M1	Adding Master User Number-This Command will set the sending Cell Number as the Master User.	.M1#	-MASTER User -Any Phone Number

Notes: Master and Admin Users have access to Program The GSM52S SMS Communicator. Receiving of replies for Status and Setup Commands can be selected by setting bits 2&3 of G2 Global Setting. Admin users cannot arm or disarm the alarm panel.
The Master User's number must also be added to receive activations.

.A	Adding User Phone Numbers	.A[space][Cell No]# .A +27802345678#	-MASTER User -ADMIN User
.A	Adding User Phone Numbers-With Settings to activate the unit outputs OP1 & OP2	.A[space][Cell No][space][Settings Byte]# .A +27802345678 11111000# This command will add the user and activate OP1 when the call in mode is enabled under the G1 settings.	-MASTER User -ADMIN User

ADDING NUMBERS WITH INPUT AND OUTPUT SETTINGS

Customised, user-specific settings can be set by adding additional setup data to the SMS when adding a number.

.A +27802345678 [b1,b2,b3...b8] # .

The settings below are for the monitoring of the inputs and activating the outputs OP1 and OP2 on the unit.

USER FUNCTION BITS	SETTING - APPLIES TO INPUT/OUTPUT OF GSM52S
BIT 1	Send Emergency(Input 1) to Number
BIT 2	Send Burglary(Input 2) to Number
BIT 3	Send Lock/Open(Input 3) to Number
BIT 4	For future use
BIT 5	Send AC Fail/Restore(Input 5) to Number
BIT 6	Call-In Output select OB1(Refer to table)
BIT 7	Call-In Output select OB2(Refer to table)
BIT 8	Call-In Output select OB3(Refer to table)

Call-In activates	B6	B7	B8
OP1	0	0	0
OP2	0	0	1
OP3	0	1	0
OP4	0	1	1
OP5	1	0	0
Not used	1	0	1
Not used	1	1	0
None	1	1	1

Multiple USER numbers may be added using a single SMS by replacing the (.) with a (*) for the consecutive commands. **.A +27802345678 *A +27808765432 11111000#**

.D	Deleting Phone Numbers.	.D[space][Cell No]# .D +27802345678#	-MASTER User -ADMIN User
.DN	Deleting YOUR OWN Phone Number.	.DN[space][Cell No]# .DN +27802345678#	-Valid USER
.N?	Request User Numbers? in memory. This will return a list of the numbers currently stored on the unit.	.N?#	-MASTER User -ADMIN User
.AT	Set Auto-Test Interval. [Hours]	.AT[space][Auto Test Interval hours]# .AT 24# Default = 0 hours(Test Disabled) (Max. = 250 hours)	-MASTER User -ADMIN User

CMD	Description	Syntax/Example	Access																		
.G1	Global Settings 1. The text ALL can be used when all of the BITS must be set to 1's. This will Enable Call-in Mode, make call-in Secure, OP1 and OP2 a Pulsed Output.	.G1[space][Config Byte]# .G1 11111111# BIT1 BIT2 BIT3 BIT4 BIT5 BIT6 BIT7 BIT8 <table><tr><th>BIT DEFINITION G1</th><th>1/0 Description</th></tr><tr><td>BIT1-Call-in Mode*</td><td>1=Enabled 0=Disabled</td></tr><tr><td>BIT2-Secure Caller** Mode</td><td>1=Secure 0=Open</td></tr><tr><td>BIT3-OP1 Action</td><td>1=Pulsed 0=Latched</td></tr><tr><td>BIT4-OP2 Action</td><td>1=Pulsed 0=Latched</td></tr><tr><td>BIT5-Output Re-Trigger***</td><td>1=Trigger once 0=Output Re-Trigger</td></tr><tr><td>BIT6-Reserved</td><td>1=N/A 0=N/A</td></tr><tr><td>BIT7-Reserved</td><td>1=N/A 0=N/A</td></tr><tr><td>BIT8-Reserved</td><td>1=N/A 0=N/A</td></tr></table> Call-In Mode*- This mode allows a selected output(OP1 - OP5) to activated when the specified user calls the Communicator. Secure Caller** - Makes sure the caller who accesses the system is a valid user before activating the output. NOTE: If not secure the output to be activated will be only OP1. Output Re-Trigger*** - If this setting is enabled, the output that was activated using the call-in feature will be re-triggered after the time selected using the '.GRT' command(OP1 & OP2 ONLY).	BIT DEFINITION G1	1/0 Description	BIT1-Call-in Mode*	1=Enabled 0=Disabled	BIT2-Secure Caller** Mode	1=Secure 0=Open	BIT3-OP1 Action	1=Pulsed 0=Latched	BIT4-OP2 Action	1=Pulsed 0=Latched	BIT5-Output Re-Trigger***	1=Trigger once 0=Output Re-Trigger	BIT6-Reserved	1=N/A 0=N/A	BIT7-Reserved	1=N/A 0=N/A	BIT8-Reserved	1=N/A 0=N/A	-MASTER User -ADMIN User
BIT DEFINITION G1	1/0 Description																				
BIT1-Call-in Mode*	1=Enabled 0=Disabled																				
BIT2-Secure Caller** Mode	1=Secure 0=Open																				
BIT3-OP1 Action	1=Pulsed 0=Latched																				
BIT4-OP2 Action	1=Pulsed 0=Latched																				
BIT5-Output Re-Trigger***	1=Trigger once 0=Output Re-Trigger																				
BIT6-Reserved	1=N/A 0=N/A																				
BIT7-Reserved	1=N/A 0=N/A																				
BIT8-Reserved	1=N/A 0=N/A																				
.G2	Global Settings 2. The text ALL can be used when all of the BITS must be set to 1's	.G2[space][Config Byte]# .G2 11111111# BIT1 BIT2 BIT3 BIT4 BIT5 BIT6 BIT7 BIT8 .G2 ALL# <table><tr><th>BIT DEFINITION G2</th><th>1/0 Description</th></tr><tr><td>BIT1-Serial Port Mode</td><td>1=Enabled 0=Disabled</td></tr><tr><td>BIT2-Send Command Replies to:</td><td>1=Commanding User 0=All ADMINS + Master</td></tr><tr><td>BIT3-Send Status SMSes to:</td><td>1=Master ONLY 0=All ADMINS + Master</td></tr><tr><td>BIT4-Reserved</td><td>1=N/A 0=N/A</td></tr><tr><td>BIT5-Textecom Serial EVENTS?</td><td>1=LIMITED 0=ALL</td></tr><tr><td>BIT6-Texte Ser Report ARMING?</td><td>1=No 0=Yes</td></tr><tr><td>BIT7-Texte Ser Report Restorals?</td><td>1=No 0=Yes</td></tr><tr><td>BIT8-Texte Ser Report Bypass?</td><td>1=No 0=Yes</td></tr></table> BIT2-If '0', the Communicator will send Replies for ALL Commands to Master and Admin Users. BIT3-If '0', the Communicator will send Status messages to Master and Admin Users.	BIT DEFINITION G2	1/0 Description	BIT1-Serial Port Mode	1=Enabled 0=Disabled	BIT2-Send Command Replies to:	1=Commanding User 0=All ADMINS + Master	BIT3-Send Status SMSes to:	1=Master ONLY 0=All ADMINS + Master	BIT4-Reserved	1=N/A 0=N/A	BIT5-Textecom Serial EVENTS?	1=LIMITED 0=ALL	BIT6-Texte Ser Report ARMING?	1=No 0=Yes	BIT7-Texte Ser Report Restorals?	1=No 0=Yes	BIT8-Texte Ser Report Bypass?	1=No 0=Yes	-MASTER User -ADMIN User
BIT DEFINITION G2	1/0 Description																				
BIT1-Serial Port Mode	1=Enabled 0=Disabled																				
BIT2-Send Command Replies to:	1=Commanding User 0=All ADMINS + Master																				
BIT3-Send Status SMSes to:	1=Master ONLY 0=All ADMINS + Master																				
BIT4-Reserved	1=N/A 0=N/A																				
BIT5-Textecom Serial EVENTS?	1=LIMITED 0=ALL																				
BIT6-Texte Ser Report ARMING?	1=No 0=Yes																				
BIT7-Texte Ser Report Restorals?	1=No 0=Yes																				
BIT8-Texte Ser Report Bypass?	1=No 0=Yes																				
.G3	Global Settings 3. Selectable Auto-Generated message settings. <i>This command allows status report filtering.</i>	.G3[space][Config Byte]# .G3 11111111# BIT1 BIT2 BIT3 BIT4 BIT5 BIT6 BIT7 BIT8 .G3 ALL# <table><tr><th>BIT DEFINITION G3</th><th>1/0 Description</th></tr><tr><td>BIT1-Send "Power Up"?</td><td>1=Yes 0=No</td></tr><tr><td>BIT2-Send "AC Fail/Restore"?</td><td>1=Yes 0=No</td></tr><tr><td>BIT3-Send "Signal Low"?</td><td>1=Yes 0=No</td></tr><tr><td>BIT4-Send "Battery Low/Restore"?</td><td>1=Yes 0=No</td></tr><tr><td>BIT5-Send "SIM Slot Change"?</td><td>1=Yes 0=No</td></tr><tr><td>BIT6-Reserved</td><td>1=N/A 0=N/A</td></tr><tr><td>BIT7-Reserved</td><td>1=N/A 0=N/A</td></tr><tr><td>BIT8-Reserved</td><td>1=N/A 0=N/A</td></tr></table> If you do NOT wish to receive the messages as in the above table, set the individual bit to '0'.	BIT DEFINITION G3	1/0 Description	BIT1-Send "Power Up"?	1=Yes 0=No	BIT2-Send "AC Fail/Restore"?	1=Yes 0=No	BIT3-Send "Signal Low"?	1=Yes 0=No	BIT4-Send "Battery Low/Restore"?	1=Yes 0=No	BIT5-Send "SIM Slot Change"?	1=Yes 0=No	BIT6-Reserved	1=N/A 0=N/A	BIT7-Reserved	1=N/A 0=N/A	BIT8-Reserved	1=N/A 0=N/A	-MASTER User -ADMIN User
BIT DEFINITION G3	1/0 Description																				
BIT1-Send "Power Up"?	1=Yes 0=No																				
BIT2-Send "AC Fail/Restore"?	1=Yes 0=No																				
BIT3-Send "Signal Low"?	1=Yes 0=No																				
BIT4-Send "Battery Low/Restore"?	1=Yes 0=No																				
BIT5-Send "SIM Slot Change"?	1=Yes 0=No																				
BIT6-Reserved	1=N/A 0=N/A																				
BIT7-Reserved	1=N/A 0=N/A																				
BIT8-Reserved	1=N/A 0=N/A																				

CMD	Description	Syntax/Example	Access																		
.G4	Global Settings 4. When Base Station Monitoring is setup the input BITS must be set to determine the trigger polarity that is reported to the Base station.	<table><tr><th>BIT DEFINITION G4</th><th>1/0 Description</th></tr><tr><td>BIT1- Input 1 (EMERGENCY)</td><td>1=Positive Trig 0=Negative Trig</td></tr><tr><td>BIT2- Input 2 (BURGLARY)</td><td>1=Positive Trig 0=Negative Trig</td></tr><tr><td>BIT3- Input 3 (LOCK/OPEN)</td><td>1=Positive Trig 0=Negative Trig</td></tr><tr><td>BIT4- Input 4 (AC FAIL/RESTOR)</td><td>1=Positive Trig 0=Negative Trig</td></tr><tr><td>BIT5-Restoral Report Input1&2</td><td>1=Enabled 0=Disabled</td></tr><tr><td>BIT6-Reserved</td><td>1=N/A 0=N/A</td></tr><tr><td>BIT7-Reserved</td><td>1=N/A 0=N/A</td></tr><tr><td>BIT8-Reserved</td><td>1=N/A 0=N/A</td></tr></table> With BIT5 enabled, Input 1 & 2 will also send an Input Restore signal.	BIT DEFINITION G4	1/0 Description	BIT1- Input 1 (EMERGENCY)	1=Positive Trig 0=Negative Trig	BIT2- Input 2 (BURGLARY)	1=Positive Trig 0=Negative Trig	BIT3- Input 3 (LOCK/OPEN)	1=Positive Trig 0=Negative Trig	BIT4- Input 4 (AC FAIL/RESTOR)	1=Positive Trig 0=Negative Trig	BIT5-Restoral Report Input1&2	1=Enabled 0=Disabled	BIT6-Reserved	1=N/A 0=N/A	BIT7-Reserved	1=N/A 0=N/A	BIT8-Reserved	1=N/A 0=N/A	-MASTER User -ADMIN User
BIT DEFINITION G4	1/0 Description																				
BIT1- Input 1 (EMERGENCY)	1=Positive Trig 0=Negative Trig																				
BIT2- Input 2 (BURGLARY)	1=Positive Trig 0=Negative Trig																				
BIT3- Input 3 (LOCK/OPEN)	1=Positive Trig 0=Negative Trig																				
BIT4- Input 4 (AC FAIL/RESTOR)	1=Positive Trig 0=Negative Trig																				
BIT5-Restoral Report Input1&2	1=Enabled 0=Disabled																				
BIT6-Reserved	1=N/A 0=N/A																				
BIT7-Reserved	1=N/A 0=N/A																				
BIT8-Reserved	1=N/A 0=N/A																				
.G5	Global Settings 5. For Future use		-MASTER User -ADMIN User																		
.DF	Set unit Defaults. This will reset all Global G1-3 , Pulse timers, Auto Test and AC Fail/Restore times to Defaults.	.DF#	-MASTER User -ADMIN User																		
.MR	Master Reset unit. This command will only Remove the Master User. All existing users and settings will remain.	.MR#	-MASTER User -ADMIN User																		
.MRD	Master Reset & Default. This command will reset all unit timers to defaults and delete all Users.	.MRD#	-MASTER User -ADMIN User																		

Texecom Serial Commands

.HP	Health of Panel Serial status request.	.HP# This will return a message with the Status of the Panel in the following format: Panel Status RDY:1234_____ Ready Partitions Arm:12..._____ Armed Partitions Byps:...34_____ Bypass in Partitions PANIC:1..._____ Panic Event Partition BURG:.2..._____ Burglary Event in Partitions MEDIC:...._____ Medical Event in Partitions AC Pwr: ON_____ AC Power(ON/OFF) Batt: OK_____ Battery Status(OK/FAULT)	-MASTER User -ADMIN User -Valid USER
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CMD	Description	Syntax/Example	Access
.System ON# .System OFF# .System STAY# .System RESET# .System RESET ON#	SYSTEM CONTROL There is a Default Profile called "System" that can be used without the need of setting up another partition profile. The "System" profile Activates ALL PARTITIONS. The RESET command can be used before the ON, OFF and STAY instruction. This command will first RESET all activations and then ARM all partitions.	.System ON# This command will arm ALL PARTITIONS. .System OFF# This command will disarm ALL PARTITIONS. .System STAY# This command will arm the panel in STAY mode. .System RESET# This command will reset/clear all existing activation indications on all partitions.. .System RESET ON# This command will first reset and then arm all partitions.	-Valid USER
.PR1 .PR2 .PR3 .PR4 .PR5 .PR6 .PR7 .PR8	Adding a Partition Profile 1-8. This command is used to program up to 8 custom Partition Profiles that can ARM, DISARM, STAY ARM and RESET selected Partitions. <i>Maximum characters allowed are 14. A custom Phrase may not contain SPACES or a star(*) character.</i> Commands that are valid with the use of the custom phrases are: ON - System arm OFF- System disarm RESET - System Reset STAY- System Stay arm	Adding a Profile: .PR1[space][Pass phrase]# .PR1 'House' 12# This example will create phrase to control partitions 1&2. .PR2 'Perimeter' 3# This example will create phrase to control partitions 3. Profile Commands: .House STAY# or .House stay# This command will STAY ARM Partitions 1&2. .House OFF# or .House off# This command will DISARM Partitions 1&2. .Perimeter ON# or .Perimeter on# This command will ARM Partition 3. .Perimeter RESET# or .Perimeter reset# This command will RESET all active alarm conditions in Partition 3.	-Valid USER
.Bypass	Bypasses selected zones on the alarm Panel. The command bypasses the zones you select, separated by a ','(comma). The zone bypass Success or failure will be reported via SMS.	.Bypass[space][Zone num,Zone num]# .Bypass 1,3,5# The above example will Bypass zones 1,3 &5. The zone bypass will only be active for a single arming event.	-Valid USER

GSM525 Standard Commands

CMD	Description	Syntax/Example	Access
.RS	Remove SIM card. Makes active SIM PIN '0000' when used in Secure mode .	.RS#	-MASTER User -ADMIN User
.PO1 .PO2	Set Pulse time of Outputs 1 & 2 . Setup how long OP1 or OP2 is pulsed on for in Seconds. Default is 2s. Range 1-250s	.[Output][space][Pulse Time(seconds)]# .PO1 5# .PO2 010#	-MASTER User -ADMIN User
.ACT	Set AC Power Fail/Restore Time Delay in Minutes. Default is 15m. Range 1-250m	.ACT[space][Delay time]# .ACT 15#	-MASTER User -ADMIN User
.AM	Add Master user from a 3rd party phone. The unit will allow access to programming for 30 minutes in this mode.	.AM[space][Cell No]# .AM +27802345678#	-ANY NUMBER
.AA	Adding Admin Phone Numbers When a number is added as ADMIN, the user will also be able to execute programming commands.	.AA[space][Cell No]# .AA +27802345678#	-MASTER User -ADMIN User
.AA	Adding Admin Phone Numbers -With Settings.	.AA[space][Cell No][space][Settings Byte]# .AA +27802345678 10101010#	-MASTER User -ADMIN User
.AA	Adding Admin Phone Numbers -With Settings & Validity Period.	.AA[space][Cell No][space][Settings Byte][space][Validity Period]# .AA +27802345678 10101010 d7# .AA +27802345678 10101010 n2#	-MASTER User -ADMIN User
.AAC	Adding ACess Phone Numbers When a number is added as ACCESS, the user's usage will be reported to Master/ Admin Users.	.AAC[space][Cell No]# .AAC +27802345678# NOTE: User access notification will be sent to Master and or Admin Users, depending on global 'G2' programming.	-MASTER User -ADMIN User
.AAC	Adding ACess Phone Numbers -With Settings.	.AAC[space][Cell No][space][Settings Byte]# .AAC +27802345678 10101010#	-MASTER User -ADMIN User

CMD	Description	Syntax/Example	Access
.AAC	Adding AC cess Phone Numbers -With Settings & Validity Period.	.AAC[space][Cell No[space]][Settings Byte[space]][Validity Period]# .AAC +27802345678 10101010 d7# .AAC +27802345678 10101010 n2#	-MASTER User -ADMIN User
.H	Request Health Status of Communicator.	.H# The Health Status SMS is sent as follows: Status Report- Batt:13.8v..... Current DC Voltage Sig:57%..... RSSI Signal Level IP1:H..... Input 1 State(High/Low) IP2:L..... Input 2 State(High/Low) IP3:H..... Input 3 State(High/Low) IP4:L..... Input 4 State(High/Low) OP1:L..... Output1 State (High/Low) OP2:L..... Output2 State (High/Low) AC Pwr: ON*..... AC Power(ON*/OFF) SIM1..... Active SIM Card(1 or 2) V:xxxxx..... Version Number.	-MASTER User -ADMIN User
.GRT	Set Gate Re-Trigger Time . Sets the time after which the activated Output is re-triggered(If Enabled in G1). [Seconds]	.GRT[space][Time delay (sec)]# .GRT 20# If G1-BIT5 = 0 , then output will be Re-Triggered after 20 seconds. (Max. = 250s, Min. = 1s.)	-MASTER User -ADMIN User
.OP1 .OP2	Activating Outputs 1 & 2 via SMS Command. Activates the selected output as per it's preset Pulse Time, Pulsed or Latched setting.	.OP1# .OP2#	-MASTER User -ADMIN User -USER
.ADR	Set Address Text. This instruction updates the Text added into the SMS when reporting events.	.ADR[space]['Address Text']# .ADR '123 Earth Street, Milky Way, the Cosmos.'# Maximum characters = 40.Do not use (*) in text.	-MASTER User -ADMIN User
.I1H .I1L .I2H .I2L .I3H .I3L	Set Input Trigger Lables for Inputs 1,2,3 & 4 , High(12v) or Low(0v) states. Configuring the output labels will determine if the input will react to a Positive, Negative or both activations. To clear a specific label just leave a space after the command followed by #. FACTORY INPUT LABELS <i>Input 1 - Emergency</i> <i>Input 2 - Burglary</i> <i>Input 3 - Lock / Open</i> <i>Input 4 - AC Restore/Fail</i> is NOT programmable.	.[Input level][space]['Input Label']# .I1H 'Pump On'# .I1L # Input 1 Positive Trip Labeled 'Pump On'. .I2H # .I2L 'Box Tamper'# Input 2 Negative Trip, Labeled 'Box Tamper'. .I3H 'Alarm Activated'# .I3L 'Alarm Deactivated'# Input 3 HIGH state Labeled 'Alarm Activated' LOW state Labeled 'Alarm Deactivated'.	-MASTER User -ADMIN User

CMD	Description	Syntax/Example	Access
.AS	Airtime Setup This Instruction is used to setup the airtime retrieval from the cell network.	.AS_[space]['Airtime ']_[space][Charactors]# request code up to currency indicator incl. spaces(2 digits) .AS '*100#' 17# VODACOM .AS '*141#' 01# MTN .AS '*101#' 20# CELL C	-MASTER User -ADMIN User
.AIR	.AIR time remaining on active SIM card	.AIR This will return a message : Your remaining airtime R230.80	-MASTER User -ADMIN User
.AR	Air time Reminder setup. When the Air Time available on the SIM reaches this level an Airtime LOW signal is sent to the users.	.AR_[space][Minimum value (2 digits)]# .AR 20# This instruction will set the minimum reminder value to R20 and will return a message : Airtime Reminder set at R20	-MASTER User -ADMIN User