0	MICROMEDIA INTERNATIONAL		ALERT: AlertMobile Configuration Guide		
MICROMEDIA INTERNATIONAL www.micromedia-int.com	ALERT - remote alarm management				
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 1. 2. 3. 1. 2. 3. 4. Feature 1. 2. 3. 4. 	Installation 2 1 st Steps 2 Preferences of AlertMobile 2 raction with ALERT 2 GSM Modem / SMS connection between ALERT and AlertMobile 2 WIFI / DIRECT MOBILE DATA connection for ALERT and AM 2 WEB / PUSH connection between ALERT (AlertMobile Gateway) and AlertMobile 2 Connection / Site overview 2 ures 2 Alarms and Alarm Notification 2 Supervision 3 User status 3 Safety 3	2 2 4 5 7 7 8 9 9 1 2 3

Introduction

This document describes the installation and configuration of AlertMobile and the data transmission between ALERT and AlertMobile.

AlertMobile is a smart phone application (app), developed for remote alarm management and monitoring.

Supported smart phones

AlertMobile is designed to run on following smart phone platforms

- iOS, version 6 and later
- Android, version 2.2 and later

ALERT

About the system requirements, please have a look on our web site under the category FAQ. For installation files, please contact the support team or use the form on the web page.

After the first start of ALERT, the following window will appear:

Image: Control of the second	() + + ()
Mid2 Benefits Benefits <th></th>	
Hour Type Preventions 154.4.00 NVT Venion: 3.6 Revision: Build 32 (Registreed) 154.501 LOGAN ALERT	
16.14.00 INIT Version 3.8 Revision 10 add 22 (Registered) 16.15.01 LOGIN ALERT	JOURNAL
161501 LODN ALERT	Cilotian
	Station :
	PORTGL7
	Date:
	25/10/12
	Initialisation
	Log in/out
	Avames V Avames
	Appels
	Appels abo
	Echecs
	Information
	Defauts
	Astrente Redender
	Mascuage
	C
	mpnine

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AlertMobile driver

For the communication between the smart phone app AlertMobile and ALERT, there are 3 kind of drivers in ALERT, existing since version 3.6 revision 1 build 22.

- 1. AlertMobile SMS, to communicate with the smart phone through a GSM modem by using the SMS service
- 2. AlertMobile WIFI, for using an internal WiFi network or a direct mobile data connection (VPN with fixed IP addresses for the SIM card)
- 3. AlertMobile Apple or AlertMobile Android to using the push services of the different platforms via a mobile data or WiFi connection through the internet

To configure an AlertMobile driver in ALERT go to the tab Configuration/Communication



The communication window will appear:

0	Con	nmun	ication				l	9	x
	P	orts	Dialing	Drivers					
		Port				Status			~
		<u> </u>						-	
								_	-
		•		111				F	
			Add	Proper	ties		Rem	ove	
		M	onitor	Com	nunicatior	n log	Initia	alize	
		(Ж	Cance		Apply		He	elp

Select the Drivers tab:

Communication	? ×
Ports Dialing Drivers	
Generic Email Driver Generic GSM-SMS Vocal VoIP driver (SIP)	
Add Properties Ren	nove
OK Cancel Apply	Help

Click on the Add... button to get the list with the installed drivers of ALERT, see the points below.

Note: If you don't find the according driver in the list, please select it within the installation routine of the ALERT setup.exe.

1. GSM MODEM / SMS communication

- Tick the checkbox "with GSM modem"
- Select the AlertMobile driver

Add drivers	? ×
Alert Direct Alert Modem Alert Socket AlertMobile Android AlertMobile Android AlertMobile(Windows Mobile) AlertMobile(Windows Mobile) AlertMobile(Windows Mobile) AlertMobile(Windows Mobile) AlertMobile(Windows Mobile) AlertMobile(Windows Mobile) AlertMobile Android AlertMobile AlertMobile AlertMobile Difference	OK Cancel Help Country: Germany •

Click on OK.

2. WIFI / DIRECT MOBILE DATA CONNECTION communication

Please add the AlertMobileWIFI driver

Add drivers	? ×
Alert Direct Alert Modem Alert Socket AlertMobile AlertMobile Android AlertMobile Apple AlertMobile(Windows Mobile) AlertMobile(Windows Mobile)	OK Cancel Help
Ascom Ascom Espa Command D1-Telekom Germany - GSM (Germa D2 Message Plus Germany - GSM (G D2-Mannesmann (Germany)	Country: Germany ← ▼ with GSM modem

3. WEB / PUSH communication

For using push notification services, please add the **AlertMobile Android** and/or **Apple driver**.

Add drivers	
Alert Direct Alert Modem Alert Mobile AlertMobile Android AlertMobile(Windows Mobile) AlertMobile(Windows Mobile) AlertMobileWifi Ascom Ascom Espa Command D1-Telekom Germany - GSM (Germa D2 Message Plus Germany - GSM (C D2-Mannesmann (Germanu)	OK Cancel Help Country: Germany

After adding the drivers, they will appear in the Drivers list

Communication	? ×
Ports Dialing Drivers	
AlertMobile AlertMobile Android AlertMobile Apple AlertMobileWifi Generic Email Driver Generic GSM-SMS Vocal VolP driver (SIP)	
Add Properties Remove	
OK Cancel Apply	Help

Click on **OK**

Now, the AlertMobile driver/s can assigned to the users.

User configuration

Please select or add a user:

File Operation Configuration ?		
🚺 👔 🖹 🕸 🛯 💷 🥙 🖽 📾 🗮 🖉	27 0	
Supervision Alert	0	
	🔮 Users (1)	
	Users	Ca
Tags	🚊 ALERT	
🖻 🙆 Groups		
AlertMobile	Add a user	
Un-Laii Management	Paste	
Story Groups		_
-		

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To create/add a user entry, please give a name and first name.

Language: Class: Help Englisch (USA) Operation Messag Advance Duty status Off duty, substituted by: Off duty, substituted by: Dial numbers: Id Type Number/Address Calls Ack 	Identificati Name: JONES	ion	Fi	rst Name: am		OK Cancel
Virtual user ID: 002 Code: Advance Duty status Image: Code: Image: Code: Image: Code: Advance Dial numbers: Image: Code: Image: Code	Language Englisch	e: (USA)	- + (ass:)peration	•	Help
Duty status Off duty, substituted by: Dial numbers: Id Type Number/Address Calls	🔲 Virtua	aluser ID	: 002	Code:		Advanced
Id Type Number/Address Calls Ack	-Duty statu	IS				
	C Off du	ty, substituted by:				© Schedule
	Dial number	ty, substituted by: s: Type	Number/	'Address	Calls	© Schedule

To Add an AlertMobile driver, please press on the **Add...** button on the left hand corner below.

1. GSM MODEM / SMS driver communication

As "Number type", please select the **AlertMobile** driver and then enter your phone number:

Number / Address	? ×
Number type: AlertMobile	ОК
Number / Address:	Cancel
Attempt number if call fails:	
Timeout before new attempt (seconds): 60	V Default
User call validated if successful call	
Automatic call acknowledgment: Yes INO	IV Default
Timeout for call acknowledgment (seconds): 300	V Default

Confirm with OK.

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Now, your new user should have assigned the AlertMobile driver, like on the following window. Please confirm with **OK** to store the user data in ALERT.

Jser record				9	x
Identification		E. H.		OK	
Name:		First Name:		Canaa	
STORIES .		Classe		Cance	1
Language:	243			Help	
Englisch (Us	sAj 🖣	+ Uperation	•	Masaaa	
🔲 Virtual us	ser ID: 00	2 Code:		Message	s
				Advance	:d
Duty status					
Off duty,	substituted by:				_
				p Schedule	
Dial numbers:					
Id	Туре	Number/Address	Calls	Ack	
🗹 🗖 1	AlertMobile	112112112112	3 (60 s)	2 (300 s)	
					-

2. WIFI / DIRECT MOBILE DATA CONNECTION communication

The AlertMobileWifi driver

Number / Address	8 ×
Number type:	ОК
AlertMobileWifi	Canaal
Number / Address:	Cancer
112112112112	Help
Attempt number if call fails: 3 Timeout before new attempt (seconds): 60	✓ Default ✓ Default
User call validated if successful call	
Automatic call acknowledgment: 🔘 Yes 🍥 No	🔽 Default
Attempt number if call not acknowledged: 2	🔽 Default
Timeout for call acknowledgment (seconds): 300	📝 Default

3. WEB / PUSH communication

For using the push notification service use the AlertMobile Android or AlertMobile Apple driver

Number / Address	8 ×
Number type:	ОК
AlertMobile Android	Cancel
Number / Address:	
112112112112	Help
Attempt number if call fails: 3 Timeout before new attempt (seconds): 60	✓ Default✓ Default
User call validated if successful call	
Automatic call acknowledgment: 💿 Yes 🍥 No	📝 Default
Attempt number if call not acknowledged: 2	📝 Default
Timeout for call acknowledgment (seconds): 300	🔽 Default

Configuration of the communication part

1. GSM MODEM / SMS communication

For the transmission of data between ALERT and AlertMobile through SMS, a GSM modem and a valid SIM card is required. Please also make sure that the signal strength of the mobile operators' network is strong enough on the site you want to install the modem. If not, please try to use another antenna or a Moxa Serial/IP converter (for further information, please have a look on our web site). Please connect a GSM Modem to the USB/Serial port of the Server.



In Alert go to Configuration/Communication tab

The Following window will appear

C	on	nmunication
ſ	P	orts Dialing Drivers
		Port Status
		4 III > >
		Add Properties Remove
		Monitor Communication log
		OK Cancel Apply Help

Click on Add...

Communication Ports	? ×
Modems (TAPI)	ОК
Modem standard Motorola USB Modem	Cancel
	Help
Physical Ports (COM)	
COM3: RIM Virtual Serial Port v2 (COM3) COM4: RIM Virtual Serial Port v2 (COM4)	
CUM14: Sierra Wireless Device #2	
✓ Display only available COM ports	
ISDN Ports (CAPI)	

Select the GSM modem associated with the physical COM port and click on $\ensuremath{\textbf{OK}}$.

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COM14: Port parameters	? ×
Link Type: Hayes Modem Baud Rate: 115200	Relief OK Cancel
Bits Stops Parity	Help
● 8 ○ 2 ○ odd	Prefix to dial:
Flow Control None Hardware Xon/× Incoming call management	Coff Voice Modem
No response	▼ Modem parameters
Incoming call only	Max communication 0 time (sec):

Another window with the GSM modem parameters will be opened.

Please tick the checkbox GSM/PCS Modem

COM14: Por	t paramete	rs		? ×
Link Baud Bits © 7	Type: Ha Rate: 11 Stops 1	yes Modem ▼ 5200 ▼ Parity O even ③ none	🔲 Relief	OK Cancel Help
08	02	🔘 odd		
Flow Con None Incoming	Flow Control None Hardware Xon/Xoff Incoming call management No response			odem dem CS Modem letect (DCD)
	Incoming call only			nication 0

Click on "..." behind the ticked **GSM/PCS Modem** checkbox.

Then configure the following parameters according to you SIM card / Network operator

- Select a country
- Select the provider
- Enter the PIN number associated to the used SIM card

GSM/PCS Modem parameters	<u> </u>
GSM Service Provider	ОК
Country (none) -	Cancel
Generic GSM-SMS 👻	
Provider forced	Help
SMSC number	
Write number to SIM card	
PIN Number SMS format	© Text
Parameters	
Incoming call identification Processing of received messages: cycle	e (sec)
Call acknowledged	
Call denied	
Team changeover Er	nd
Message processor -	•
Network information	
Operator:	
Min value (0	-31): 5
Commands	
Init string: ATE0	

After the configuration, the settings should be similar to the screen below (in the example below the French GSM Provider SFR was used).

GSM/PCS Modem parameters	? ×
GSM Service Provider	ПК
Country France	Cancel
SFR France - GSM 🗸	
Provider forced	Help
SMSC number +33609001390	
Write number to SIM card	
PIN Number SMS format	
••••	Text
Parameters	
Incoming call identification	
Processing of received messages: cycle (see Processing of received messages)	c)
Call acknowledged	
Lai denied	
Message processor	
Network information Signal:	
Operator:	
Min value (0-31):	5
Commands	
Init string: ATEU	

Confirm with **OK** twice.

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Afterwards the GSM Modem will initialize.

Communication	8 ×
Ports Dialing Drivers	
Port	Status
CUM14	Initialization
<	
Add Properties	Remove
Monitor Communication	n log Initialize
OK Cancel	Apply Help

The Modem status will show as **ready** when the configuration is OK.

Communication		? <mark>×</mark>	
Ports Dialing	Drivers		_
Port		Status 🔺	
		Modernieady	
•		4	
Add	Properties	Remove	
Monitor	Communicatio	on log Initialize	
ОК	Cancel	Apply	

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2. WIFI / DIRECT MOBILE DATA CONNECTION communication

For the communication between ALERT and a smartphone using a WIFI connection, 2 communication ports must be opened. Please modify the firewall/s configuration.

TCP Port: 8123, incoming

UDP Port: 8500, in both directions

Note: The port numbers are arbitrary, the numbers 8123 and 8500 are the default ones.



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3. WEB / PUSH communication and AlertMobile Gateway

The communication between ALERT and a smartphone over a web connection, using the push notification service, a separate tool of MICROMEDIA International is required. The **AlertMobile Gateway** is a Windows system service which provides a gateway between the ALERT server and the Android/Apple push notification server through the internet.

ALERT transmits alarms to the AlertMobile Gateway service. This tool transmits the alarms to the smart phone using the according notification service (Google cloud messaging for Android or Apple Push notification service for Apple).

Please note: to use **AlertMobile Gateway** in addition to **ALERT**, version 3.6 Revision 1 build 23 or later is required.

The following diagram will show the network configuration.



Following TCP ports need to be opened in the firewall.

Between ALERT and AlertMobile Gateway service (only, if both are **not** installed on the same machine)

• TCP Port 8732 in both directions (incoming and outgoing) on both computers

or

• TCP Port 8080 in outgoing on Alert computer and incoming on AlertMobile Gateway computer

Between AlertMobile Gateway service and the Internet / Web

Push notification service:

• TCP Port 5228 in outgoing

Between AlertMobile and ALERT or AlertMobile Gateway

• TCP Port 8080 in incoming

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_0,00,_0_!		,

Additionally

• Please allow to use the SSL protocol in the firewall settings.

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The Installation of the AlertMobile Gateway service

Please execute the **"AlertMobile.Gateway.Setup.msi"** with administrative privileges on the windows computer, compatible with Windows XP and later. The installation file is available on the DVD in the folder AutoInstall or on our web site.

HertMobile Gateway					
Welcome to the AlertMobile Gateway Set Wizard	tup 🌄				
The installer will guide you through the steps required to install AlertM computer.	obile Gateway on your				
WARNING: This computer program is protected by copyright law and international treaties. Unauthorized duplication or distribution of this program, or any portion of it, may result in severe civil or criminal penalties, and will be prosecuted to the maximum extent possible under the law.					
Cancel	Back Next >				

岗 AlertMobile Gateway			
Select Installation Fold	er		-
The installer will install AlertMobile Gatev	vay to the following fo	lder.	
To install in this folder, click "Next". To i	install to a different fol	der, enter it below	or click "Browse".
<u>F</u> older:			
C:\MMI\AlertMobile Gateway\			Browse
			<u>D</u> isk Cost
Install AlertMobile Gateway for yourse	lf, or for anyone who u	uses this computer	•
Everyone			
⊚ Just <u>m</u> e			
	Cancel	< <u>B</u> ack	<u>N</u> ext ≻
AlertMobile Gateway	-	\Leftrightarrow	
AlertMobile Gateway	a an		
AlertMobile Gateway Confirm Installation The installer is ready to install AlertMobil	e Gateway on your cc	mputer.	
AlertMobile Gateway Confirm Installation The installer is ready to install AlertMobil Click "Next" to start the installation.	e Gateway on your cc	mputer.	
AlertMobile Gateway Confirm Installation The installer is ready to install AlertMobil Click "Next" to start the installation.	e Gateway on your cc	mputer.	
AlertMobile Gateway Confirm Installation The installer is ready to install AlertMobil Click "Next" to start the installation.	e Gateway on your oc	mputer.	
AlertMobile Gateway Confirm Installation The installer is ready to instal AlertMobil Click "Next" to start the installation.	e Gateway on your cc	mputer.	
AlertMobile Gateway Confirm Installation The installer is ready to install AlertMobil Click "Next" to start the installation.	e Gateway on your cc	mputer.	
AlertMobile Gateway Confirm Installation The installer is ready to install AlertMobil Click "Next" to start the installation.	e Gateway on your co	mputer.	
AlertMobile Gateway Confirm Installation The installer is ready to install AlertMobil Click "Next" to start the installation.	e Gateway on your co	mputer.	
AlertMobile Gateway Confirm Installation The installer is ready to install AlertMobil Click "Next" to start the installation.	e Gateway on your co	mputer.	

After the installation of **AlertMobile Gateway**, a separate **Windows service** was created, see screenshot below.

Services	NAME AND ADDRESS OF TAXABLE PARTY.	And and the second s	March Law	-	on summer 179			
Fichier Action Aff	ïchage ?							
	i 🗟 🛛 🛐 🔹 🖿 🖬 🕩							
🎎 Services (local)	O Services (local)							
	AlertMobile Gateway	Nom	Type de démarrage	État	Ouvrir une session e			
		端 3CX PhoneSystem	Manuel		Système local			
	Arrêter le service	🔍 3CX PhoneSystem Call History	Manuel		Système local			
	Redemarter le service	🔍 3CX PhoneSystem Conference Room	Manuel		Système local			
		🔍 3CX PhoneSystem Configuration Service	Manuel		Système local			
Description :		🔍 3CX PhoneSystem Database Server	Manuel		Système local			
AlertMobile Gateway used to send	🔍 3CX PhoneSystem Digital Receptionist	Manuel		Système local				
	command from Mobiles.	🔍 3CX PhoneSystem FAX Server	Manuel		Système local			
		🔍 3CX PhoneSystem Media Server	Manuel		Système local			
		🌼 3CX PhoneSystem Parking Orbit	Manuel		Système local			
		端 3CX PhoneSystem Queue Manager	Manuel		Système local			
		🔍 3CX PhoneSystem SIP/RTP Tunneling Proxy	Manuel		Système local			
		🌼 Accès du périphérique d'interface utilisateur	Manuel	Démarré	Système local			
		鵒 Acquisition d'image Windows (WIA)	Automatique	Démarré	Service local			
		🛸 Adobe Acrobat Update Service	Automatique	Démarré	Système local			
		🛸 Agent de protection d'accès réseau	Manuel		Service réseau			
		🔍 Agent de stratégie IPsec	Manuel	Démarré	Service réseau			
		🔍 AlertMobile Gateway	Automatique	Démarré	Système local			

This service can be started and stopped.

If you want to change some parameters from **AlertMobile Gateway** (there is no configuration GUI), you have to **stop the service**, open the file **"AlertMobile.Gateway.WindowsService.exe.config"**.

The port numbers can be modified in the section userSettings:

```
<userSettings>
  <AlertMobile.Gateway.WindowsService.Properties.Settings>
    <setting name="ServiceHost" serializeAs="String">
      <value>localhost</value>
    </setting>
    <setting name="ServicePort" serializeAs="String">
      <value>8732</value>
    </setting>
    <setting name="ServiceMobileHost" serializeAs="String">
      <value>localhost</value>
    </setting>
    <setting name="ServiceHttpHost" serializeAs="String">
      <value>localhost</value>
    </setting>
    <setting name="ServiceHttpPort" serializeAs="String">
      <value>8080</value>
    </setting>
    <setting name="ServiceMobilePort" serializeAs="String">
      <value>8080</value>
    </setting>
    <setting name="GatewayName" serializeAs="String">
      <value />
    </setting>
  </AlertMobile.Gateway.WindowsService.Properties.Settings>
</userSettings>
```

Once the modification of the file was done, please start **AlertMobile Gateway service** again to apply the changes.

To use the **AlertMobile Gateway** in addition to **ALERT**, the following configuration in ALERT should be done.

😵 ALERT File Operation Configuration ? On-call management... 1× **~**? Å 35 0 User profiles... on 🔍 Alert 🔍 User statuses...) ALERT 🖥 🐺 PORTGL7 AlertMobile 🛱 🍣 Supervi 🚊 🙆 Tag Communication... 2 Vocal server... 🙆 Gro 🖮 📆 On-Call Options... 🖺 Use Applications... 🕺 Gro Toolbar... Record messages by telephone

Open ALERT and switch to Configuration/AlertMobile.

Select Gateway on the left list.

Setup		x		
Alarms Supervision WIFI Gateway Advanced About	sion Y ed Gateway Configuration Name: PORTGL7 Host: localhost Use HTTP connection Proxy @ Automatically detect settings (recommended) @ Configure manually:			
	Host: Port: 80 💆	el		

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Check **Use Gateway**, to activate the connection between **ALERT** and **AlertMobile Gateway**.

Now, the host address of the AlertMobile Gateway machine can be defined (if it's the same
computer as ALERT is installed, please use either localhost or 127.0.0.1).

Setup		×
Alarms Supervision WIFI Gateway	Gateway Use ga Configuration	teway on
Advanced About	Name:	PORTGL7
		HTTP connection
		OK Cancel

ALERT communicates with the AlertMobile Gateway on TCP Port 8732 by default (please change it, if you have changed the configuration of AlertMobile Gateway configuration).

If you want to use HTTP connection (port 8080 will be used), please check **Use HTTP connection**, for activation. If the HTTP connection requires a specific proxy server, please configure it manually.

The computer/server running the **AlertMobile gateway** needs to have **access to the web / internet** (in order to send notification to the smartphone) and have to be **reachable from the web** (in order to process the commands coming from the smartphone).

Pelase find more information about the push notification services here:

http://developer.android.com/google/gcm/gcm.html

http://support.apple.com/kb/TS4264?viewlocale=en_US

AlertMobile 3.7

1. Installation

Please download and install AlertMobile 3.7 from the android play store or the apple app store on the smartphone. In this document, only the installation and configuration of the Android phones are explained. For iPhone it's nearly equivalent.

Please Note: According to the new iOS 7, some parts of the security functionality won't work anymore. So the man down features are disabled for the moment. Don't worry, we are working on it to find a solution.

AlertMobile 3.7 is available for Android smart phones on the Android market, here:

https://play.google.com/store/apps/details?id=com.micromedia.alert.mobile&feature=search_result #?t=W251bGwsMSwyLDEsImNvbS5taWNyb21lZGlhLmFsZXJ0Lm1vYmIsZSJd

2. 1st Steps

After pressing on the AlertMobile app to start it, you will be asked to check the mobiles phone number, please make sure that this number is in the same format as in ALERT, e.g. in ALERT: +49111222333 then in the mobile it should the same format with +49. How to find the General window, will be explained later below.

User record			8	x		
Identification Name:	First Name:		OK		← General	
Language:	Class:		Help		General	
Englisch (USA)	+ Operation	•	Message	es	Mobile dialnu	mber
Virtual user [D: 00 Duty status Off duty, substituted by:	2 Code:		Advance	ed.	Registration I APA91bFIGSxNL, Z4NQ6ojVfzZ-mF a8yH1077CC_N5 gcHIIDIcQojIt7Q1 CCa6NS7r4UAafF ZMg	D JKPetgRRZoZbY- SvCaFR_IGJATxXFK5- ruGUVkHXOn9FJND1r37 fYkGUdIZyLC3I4deG2ok Pe9UNqQffM81nEVjzJ83
Dial numbers:				_	SMS	
Id Type Id Type Image: The state of the state	Number/Address 112112112112	Calls 3 (60 s)	Ack 2 (300 s)		SMS Timeout	30
Add Edit	Delete		O Schedu	ule ▼		

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When the dial number is configured, the Alarms screen will show the current alarms and their status.



Press on this symbol 📃 in the left hand corner above to open the menu of AlertMobile.



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3. Preferences of AlertMobile

≡ Preferences	[`	
General	>	To modify the dial number and to get the registration ID
Sites	>	To create or manage ALERT server and to select the connection type
Notification	>	Notifikation settings, SMS management and WiFi port modification
Call	>	Alarm reset and acknowledgement settings
Message	>	Selection of the ringtone for incoming notifications
Alarm	>	Display options for the alarm priority
Safety	>	Lone worker feature, to set the time before sending an alarm to ALERT when there is no movement of the phone anymore
Restrictions	>	To manage restrictions of the AlertMobile app interface, e.g. don't allow a user to quit the app.

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Interaction with ALERT

For the communication with Alert, the smartphone must have an ALERT address. According to the used connection type, either the number of the GSM Modem or the IP-Address of the ALERT server.



GSM Modem - own dial number

TIP: An easy way to configure AlertMobile (with GSM Modem), trigger an alarm in Alert. The connection between the smart phone/AlertMobile app and ALERT will be created automatically (Site and server will added to the AlertMobile app).

To add an ALERT server (Site) manually to AlertMobile, please open the Preferences window and then go to Sites:



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1st, give a name for the site:

X Site	~
Site	
Name:	
ALERT Server	

Confirm with the check sign 🗹 on the right corner above, following window will open:



Confirm with OK.

The connection type list will appear.



WEB

Please choose the connection type you want to use.

Below you will find a description on how to configure the different types.

1. GSM Modem / SMS connection between ALERT and AlertMobile

← ALERT Server ✓					
SMS					
Address	:				
2537825378	В				
1	2 авс	3 DEF	≪ X		
4 сні	5 JKL	6 MNO	Done		
7 PQRS	8 TUV	9 wxyz	*		
Sym	0 +	#			

Enter the GSM modem number (calling number of the SIM card of the GSM Modem)

The SMS data connection between Alert and AlertMobile is now configured and ready to use.

2. WIFI / DIRECT MOBILE DATA connection for ALERT and AM

Please enter the IP-Address of the ALERT Server.

← ALERT Server	\checkmark
WIFI	
Address:	
192.168.178.20	
Port:	
8123	
Click on	rm.

The WiFi connection between Alert and AlertMobile is now configured and ready to use.

To check if the connection between ALERT and AlertMobile is OK, please have a look at ALERTs journal. You should see the following 2 lines:

17:12:14	CONNECT	SOCKET1 : AlertMobileWifi >>> 192.168.178.20:8500
17:12:15	INFO	AlertMobileWifi : WIFI connection : JONES SAM (IP=192.168.178.35)
	1	

If there is a connection issue, please check the firewall settings on the ALERT Server and all others in between.

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3. WEB / PUSH connection between ALERT (AlertMobile Gateway) and AlertMobile

Enter the public IP-Address or DNS name (reachable from the internet) of the server where the AlertMobile Gateway is installed (e.g.: am.micromedia-int.com)

← ALERT Server	\rightarrow
WEB	
Address:	
am.micromedia-int.com	
Port:	
8080	

After the IP address or DNS name was entered, please click on Next

A new screen with the **ALERT** server/s connected to the **AlertMobile Gateway** and where the phone number is configured for an operator in **ALERT** will appear. (Section Alert driver Web communication).

In the screen below you will see all ALERT servers connected to the AlertMobile Gateway. Please choose the one you want to monitor/manage with your AlertMobile phone.

← ALERT Server	\checkmark
Alert server	
MMIWEBSERVER	
← ALERT Server	\checkmark
Alert server	
MMIWEBSERVER	✓

Select the server by long clicking on it (it will get a check sign) and click on 🗡 to confirm.

Now AlertMobile is configured to communicate with ALERT over the internet by using the push notification services.

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4. Connection / Site overview

Once the connection types are configured, you can find them in Preferences\Site\<Site Name>.

By doing a long press on the configured connection you will get additional functionalities:

- Rename, to rename the connection type name
- Default, to set the selected connection as default communication connection

Connections	
SMS (SMS) Address: 2537825378	>
WIFI 1 (WIFI) Address:192.168.178.20	>
Server	>
Rename	
Default	

Features

1. Alarms and Alarm Notification

Alarm Notification

When an alarm in ALERT is triggered, then a push notification message will be received on the AlertMobile application. Here you have the possibility to manage the calls:

- Acknowledge the call Call accepted
- Not acknowledge Call denied
- Hang up Ingore



Alarms

Here you will get all ongoing alarms and their status according to the selected site. Also it's possible to acknowledge and deactivate alarms.

Press on the Alarms sign Alarms to access the alarm list. Afterwards, choose the Site (AlertServer) if there are more than one existing and log in with your user name and password (when set).

≡ /	All sites	💉 🗘	🗙 Login	\checkmark
Ala	All sites		ALERT Server	
Y .	SPS Domo 2012	05:56 PM >	Connection	
V	3F3 Demo 2013	11:14:01	MMIWEBSERVER	
1	Water Tank	· · · · ·		
	Wind Farm		Jones Sam	
			Passworu	
	ALERT Server		Password	

After pressing the check symbol it to log in, you will see the selected site with all the ongoing alarms.



To acknowledge or deactivate alarms, please click on the **Pencil** sign **Z**.

The following screen will appear.



Please select the alarm/s you want to modify by pressing on it. A check sign \checkmark will be set behind the selected alarm: \checkmark ALERT Server Temperature is too high.

Press the check sign \bigotimes for alarm acknowledgement and the deactivation sign \bigcirc for alarm deactivation.

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To get more information about a specific alarm, please press on an alarm entry in the alarm list.



2. Supervision

The supervision screen provides the default view, a list of alarms and their values. For android phones it's possible to create your own supervision screen (xml based) for each site. To get the alarms shown in the supervision screen, please make sure that the alarms in ALERT are assigned to the AlertMobile alarm group.

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Please press on the supervision button Supervision to open the screen. Then select the Site -> alarm group -> alarm sub group and you will get the overview of the alarms in the according group.

ALERT Server	S	← ALERT Server	S	← ALERT Server	S
Supervision		Supervision (AlertMobile)		Supervision (AlertMobi	le/Grenoble)
AlertMobile	>	Grenoble	>	Temperature 3/24/14 10:47:08 AM	31.3 °C
		Paris	>	Humidity 3/24/14 1:04:43 PM	87 %
		Lyon	>	Disk C: 3/24/14 10:47:08 AM	0

Some further examples for own screens below, in the first one can be switched a light on and off as well.



Please note: click on the refresh button of to get the actual tag information, it won't be updated on entering the screen.

3. User status

The user status can be managed by clicking on the Status sign. All the status options is AlertMobile getting from the ALERT server.

User statuses					? ×		\equiv Alert $\rightarrow \checkmark \square$
Status	A	Ρ	R	м	ОК		Status
Disponible	×	•	•	Х	Cancel		Disponible 🗸
Indisponible In meeting	×	×	•	•	Help		
On vacation	X	•	Х	•	пор		Indisponible
					Delete		In meeting
Parameters of selecters	ed status ce				Add		On vacation
Receive alarms (Only priori Call as reli	A) ty alarms ief user (F	(P) })			Apply		In maintenance
Receive messag	es (M)	_	_				In business trip

Please select the Site, and press on the **Pencil** sign Z to select the status. Follow the instructions to confirm the status change.

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4. Safety

The Safety or Lone Worker feature of AlertMobile allows to help humans amongst others in an emergency situation. For example if AlertMobile doesn't detect any smartphone movement or detects that the phone isn't vertical anymore (implying that the person is lying down), it will send out an alarm after a pre-defined timeout.

Additionally, the user can send out an (emergency) alarm or this can be done by a watchdog when not reacting on it anymore automatically. Then AlertMobile will send an alarm with its location information to ALERT. Consequently ALERT server will trigger an alarm and a user according to the on-call management configuration will be warned.

To access the Safety, please press on **D** Safety sign and select the site.



- Volontary, to force an alarm call to Alert
- Immobility, will send out an alarm (after an timeout) if there is no movement anymore
- Verticality, will send out an alarm when the user / mobile phone is in vertical position, e.g. man down

Watchdog, this feature forces the user to press the watchdog button every time period, making sure the owner of the smartphone is still alive and safe. The timeout period can be defined individually.

Note: all functions can be used in parallel, e.g. the Immobility and Verticality modus at the same time.

The alarm process of the **Verticality**, after setting the timeout in "Preferences -> Safety -> Time before sending alarm" and pressing the Verticality button the time will count down. At the end AlertMobile is sending an alarm with the location information to ALERT.



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Watchdog

To configure the watchdog, click on the icon and set the timer, left site hours, right site minutes, in the example below there are 5 minutes set. Then select if you want to press a button to notify alert (manually) or if AlertMobile should do it for you (automatically).

After confirming automatically or manually the timer will start counting down.



By manual notification the screen below will appear, please press the send button to notify ALERT, e.g. that you are still alive...



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APPENDIX A - Symbol description

