

# GSM Intercom PC Software

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**Digital GSM Intercom** 

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# 1-50 Button GSM INTERCOM

# **USB DRIVER**

**IMPORTANT:** Before connecting the GSM unit to the PC and before installing the GSM PC program, first install the driver for the USB adapter which can be found on the supplied CD in the following folder:-

D:\FT232Driver\CDM20814.exe

Where D is the letter of your CD drive.

#### SOFTWARE SETUP

Run the setup program (setup.exe) from the CD. Follow the on screen instructions to complete the setup. Please note, the PC must be Window XP PRO or later and have the .NET 4 framework installed. (The .NET 4 framework can be found on the CD or will be downloaded from the internet during install).

After completing the setup, the program will be available from your start menu as Videx GSM. Before running the program, connect the supplied USB cable between a USB port on your PC and the GSM unit. Run the program and the following screen should appear:-

UDEX GSM INTERCOM	
Ele Data About MAIN SETTINGS CALL SETUP DIAL TO OPEN	
Signal Strength Good (17) Ubdate Cormunication Pot Sofue Petrosh Lat PUNCTIONAL GSM Auto Detect	
The Power to Secure	te found and online

When the program loads, it checks all available ports for the GSM unit. If found, the GSM unit goes online with the PC. From the main screen it is possible to:-

Signal Strength
Good (19)
Update
#4.80. Check Balance
VER 1.0.2 Check Firmware

Check signal strength:

Click on update to retrieve the signal strength from the unit. The signal strength will be between 1 & 31 whereby 31 is excellent and 1 is poor. A signal strength of at least 10 is required for the system to work satisfactorily.

Check balance on pay as you go SIM's:

For this to work you must first store the check string required by the service provider on the settings page. For example, the string \*#1345# is used by Vodafone to retrieve your current balance. Once this has been stored and uploaded to the unit, clicking the Check Balance button will retrieve it.

Check firmware version:



Click the Check Firmware button to retrieve the firmware version of the GSM unit. This will be useful to technical support should you need to call and can also give you an indication of functions available as identified in the back of this manual.

Communication Port Set	up	
COM3 -	Refresh List	Status
	Auto Detect	2
Communication Port Set	up	
COM4 -	Refresh List	Status
	Auto Detect	$\mathbf{\underline{\otimes}}$

#### Communication port setup:

Although the communication should setup automatically when the program is started it is also possible to manual

setup the communication port.

To setup manually, first press the Refresh List button which will find all available communication ports, Then either

select from the drop down list, the port which is connected to the GSM unit and press the Auto Detect button to check for the device or just simply click on the Auto Detect button to check all available ports. If the device is found, the status will change to online.



#### Mobile phone:

The mobile phone can be used like a normal mobile phone to make calls. This can be useful when setting up the GSM unit's SIM card with functions such as switching off voice mail and text alert or listening to the SIM cards balance through the intercom's speaker. Simply type the number to call on the keypad and click the send button **For**. Ti end the call press the **Con** button and to clear the display press the C button.

Please note: After making any changes to the settings and stored telephone numbers on the PC, they must then be uploaded to the unit before they will take affect.



# **GENERAL SETTINGS:**

🞇 VIDEX GSM INTERCOM		
File Data About		
MAIN SETTINGS CALL SETUP DIAL TO OPEN		
Times	General Settings	
Call Time: 40 Aux Out Time: 5	Master Code: 1111	
Relay Time: 10 📥 Divert Time: 6 📥	Balance Check String: *#13	45#
Auto Dial (Days): 30 👘	Master Telephone No: 0777	4949815
Modes	AUX2 Message: ALIXT	inggered
Aux Mode: On When Triggered 👻		
Enabled extended diverts		
Enabled silent dialling		
Time Bands	Speaker Volume 7	
ON OFF	Microphone Volume 7	×
1 00:00 💼 23:59 🎰		
ONTINE		
		.::

The general settings page has the following programmable options:

Call Time:	Maximum length of a call before it automatically clear down (20.240 Seconds)
Dalay Time:	Palay activitien time (0, 00 Seconds 0 – lotaking)
Relay Time:	Relay activation time $(0 - 99$ seconds, $0 = \text{fatching})$
Aux Out Time:	Auxiliary output AO terminal, switched 0V time $(0 - 99$ Seconds, $0 = 1$ atching). Only
	relevant for Aux mode 'On when triggered'.
Divert Time:	The time a phone is allowed to ring before the unit cancels the call and diverts to the
	second number, of programmed. (15 – 99 seconds)
Auto Dial (Days):	Number of days the unit will wait with out a call being made before it makes a short call
	to keep the system live and on the network (1-99 days).
Aux Mode:	The AO terminal is a switch 0V output. It can be programmed to trigger by the end
	user pressing 6 on their telephone during a call or can be setup to switch on when a call is
	made and stay on for the length of the call. Additionally this output can be set for use with
	a status indicator or as a switch to transfer calls to the master number. The four options are
	available in the drop down box.
Enable extended divert:	With this enabled it is possible to divert to up to 5 divert numbers. See EXD SMS
	message settings for more information.
Enable silent dialling	When checked dialling will not be heard from the intercom speaker instead beens will be
	heard every few seconds
Master Code:	The master code must be 4 digits (Factory default 1111) and is required when using the
	SMS facilities on the GSM unit and also when dialling in to the unit from a number which
	is not stored
AUX2 Message:	The Auv? massage is a massage which will be sent to the master telephone number when
AUX2 Message.	the Auxillary 2 input is triggered. The message can be up to 32 characters but can't
	include spaces
Dalance Chasts Strings	The helping shade string allows the helping on contain new as you as SIM conducts he
Balance Check String:	The balance check string allows the balance on certain pay as you go SIM cards to be
	checked. This must be stored to allow the balance to be checked.
Master Telephone No:	The master telephone number is the telephone number which will receive the SMS
~	messages for low balance and Aux 2 triggered.
Speaker volume:	The speaker volume can be any number from $1-12$ ( $12 =$ highest volume)
Mic volume:	The mic volume can be anything from 1-24 (24 = highest volume)
Time band:	The time band sets when the call button will call their relevant telephone numbers and
	when the call buttons will be diverted to the master number (If no master number stored
	then the call will not take place and will be signalled by beeps from the panel). The ON
	time must be lower than the OFF time. If this option is not required, leave set as 00:00
	23:59.



# CALL SETUP:

10	01912241558	01912388302	×
11	) (		
12	1		
13	]		=
14			
15			Ĩ
16			
17	1		
18	1		
19			-

From the call setup page it is possible to assign up to 2 telephone numbers to each of the 50 available call buttons. The divert telephone number will be used if the call is busy or not answered and will divert to this number after the divert time has elapsed. If no divert number is stored, the first number will continue to ring until the call times out.

DIAL TO OPEN:

It is possible to store up to 250 telephone numbers which will activate the relay when they call the GSM. The GSM unit will drop the call so there will be no charge for these calls. In the table it is possible to assign a telephone number and a name to each of the 250 possible locations. Please note: the name is only for convenience and is not uploaded to the GSM unit.

VIDE	X GSM INTERC	OM	-	Included in	- <b>D</b> X
<u>F</u> ile	<u>D</u> ata <u>A</u> bou	ıt			
IAIN	SETTINGS C	ALL SETUP DIAL T	O OPEN		
	Location	Telephone No.	Name		
	155	01912241558	Videx Newcastle	<b>^</b>	
	156				
	157				
	158				
	159			ĩ l	
	160				
	161				
	101				
	162				
	163				
	164			*	
		Note: N	ame is not uploaded to the intercon		
ONL	INE				.:



#### FILE MENU:

From the file menu it is possible to create a new data file, open an existing data file and save the current data file. These options are available online or offline allowing the data file to be created on or off site for convenience.

The exit option will close the program.



😹 VID	EX GSM	INTERCON	1	
File	Data	About		
MAIN	Upload 🕨		•	Upload All
	0	ownload	•	Upload Settings
Sigr	Signal Strength			Upload Calls
		Д		Upload Dial To Opens
Check Balance				
S VID	EX GSM I	NTERCOM		
🐱 VID File	EX GSM I Data	NTERCOM About		
KID File MAIN	EX GSM I Data U	NTERCOM About pload	Þ	P DIAL TO OPEN
File MAIN	EX GSM I Data U D	NTERCOM About pload ownload	•	P DIAL TO OPEN Download All
File MAIN	EX GSM I Data U D al Strengt	NTERCOM About pload pwnload	•	P DIAL TO OPEN Download All Download Settings
Sign	EX GSM I Data U D al Strengt	About pload pwnload	•	P DIAL TO OPEN Download All Download Settings Download Calls
Sign	EX GSM I Data U D al Strengt	NTERCOM About pload pwnload	•	P DIAL TO OPEN Download All Download Settings Download Calls Download Dial To Opens

#### Data MENU:

The data menu is only available when online. From here it is possible to upload the information from the PC to the GSM unit and download information from the GSM unit to the PC. Both upload and download have several options which include the facility to upload/download all data or upload/download only a section of data which is required and has been changed.



# DIGITAL GSM INTERCOM

# **USB DRIVER**

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When the program loads, it checks all available ports for the GSM unit. If found, the GSM unit goes online with the PC. From the main screen it is possible to:-



#### Check signal strength:

Click on update to retrieve the signal strength from the unit. The signal strength will be between 1 & 31 whereby 31 is excellent and 1 is poor. A signal strength of at least 10 is required for the system to work satisfactorily.



#### Check balance on pay as you go SIM's:

For this to work you must first store the check string required by the service provider on the settings page. For example, the string \*#1345# is used by Vodafone to retrieve your current balance. Once this has been stored and uploaded to the unit, clicking the Check Balance button will retrieve it.

#### Check firmware version:

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Communication Port S	Setup	
COM3 -	Refresh List	Status
	Auto Detect	2
Communication Port S	etup	
COM4 💌	Refresh List	Status
	Auto Detect	$\mathbf{\underline{\times}}$

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# Mobile phone:

The mobile phone can be used like a normal mobile phone to make calls. This can be useful when setting up the GSM unit's SIM card with functions such as switching off voice mail and text alert or listening to the SIM cards balance through the intercom's speaker. Simply type the number to call on the keypad and click the send button **F**. Ti end the call press the **S** button and to clear the display press the C button.

Please note: After making any changes to the settings and stored telephone numbers on the PC, they must then be uploaded to the unit before they will take effect.



# **GENERAL SETTINGS:**

S VIDEX GSM INTERCOM					- • ×
<u>F</u> ile <u>D</u> ata Sort <u>A</u> bout					
MAIN SETTINGS CALL SETUP					
Times			General Settings		
Call Time: 40	Aux Out Time:	5	Master Code:	1111	
Relay Time: 5	Divert Time:	15 🚔	Balance Check String:		
Modes					
Aux Mode: On when triggere	ed ▼		Speech Board Volume:	5	
			Speech Board Mode:	Speak whole numbers	•
Time Bands			Speaker Volume	/	
ON OFF	ON	OFF	Microphone Volume	7	
0 00:00 🖨 23:59 🖨	5 00:00 🜩	23:59 🔿			
1 00:00 🚔 23:59 🚔	6 00:00 🚖	23:59 🔿			
2 00:00 🖨 23:59 🖨	7 00:00 🜩	23:59 🚖			
3 00:00 🗢 23:59 🜩	8 00:00 🗢	23:59 🚔			
4 00:00 🜩 23:59 🜩	9 00:00 🚖	23:59 🚔			
ON LINE		Videx	device found and online		

The general settings page has the following programmable options:

Call Time:	Maximum length of a call before it automatically clear down (1-255 Seconds)
Relay Time	Relay activation time $(1 - 255$ Seconds, $0 = $ latching)
Aux Out Time:	Auxillary output AO terminal, switched 0V time ((1 – 255 Seconds, 0 = latching)
Divert Time:	The time a phone is allowed to ring before the unit cancels the call and diverts to the second number of programmed $(1 - 255 \text{ seconds})$
Aux Mada	Second number, or programmed $(1 - 200 \text{ seconds})$
Aux Mode.	user pressing 6 on their telephone during a call or can be setup to switch on when a
	call is made and stay on for the length of the call. The two options are available in the drop down box
Master Code	The master code must be 4 digits (Factory default 1111) and is required when using
	the SMS facilities on the GSM unit, entering the programming menu and also when
	dialling in to the unit from a number which is not stored.
Balance Check String:	The balance check string allows the balance on certain pay as you go SIM cards to be checked. This must be stored to allow the balance to be checked.
Speech board Volume:	The volume of the voice appunciation messages. The higher the number the higher
Speech board volume.	the volume.
Speech board Mode:	The voice annunciation can be set to speak the number being called as a whole
	number (i.e. 100 would be spoken as 'One hundred') or can be set to speak the
	numbers individually (i.e. 100 would be spoken as 'One' 'Zero' 'Zero'). Alternatively
	the speech board can be disabled from the drop down menu.
Speaker volume:	The speaker volume can be between 0 & 9. The higher the number the higher the
<b>•</b> • •	
Speaker volume:	The microphone volume can be between 0 & 9. The higher the number the higher the volume.
Time bands:	There are 10 time bands. The first is fixed to all day and cannot be changed, the
	other 9 can be set to any times (Ensure the ON time is lower than the OFF time).



# CALL SETUP:

🔀 VIDE	🕺 VIDEX GSM INTERCOM									
<u>F</u> ile	<u>D</u> ata So	rt <u>A</u> bout								
MAIN	SETTINGS	CALL SETUP								
м	emory	Telephone No.	Divert Telephone No.	Apartment No.	Apartment Name	Access Code	DTO	тв		
0								0 🌲	*	
1								0 🌲		
2								0 🌲		
3								0 🌲		
4								0 🌲		
5								0 🌲		
6								0 🌲		
7								0 ≑		
8								0 🌲		
9								0 🌲	-	
	LINE			Videx device	e found and online				.:	

From the call setup page it is possible to assign up to 2 telephone numbers to each of the 1000 available locations. The divert telephone number will be used if the call is busy or not answered and will divert to this number after the divert time has elapsed. If no divert number is stored, the first number will continue to ring until the call times out.

Apartment No. can be up to 6 digits and is the number entered by a caller to initiate a call.

**Apartment Name** is only used on panels with the scroll facility. It is used to store names which can be scrolled through on the panel. The names can be up to 16 characters long.

Access Code is a unique to each user code that can be used to release the door/gate via the door panel keypad. The code can be up to 6 digits.

**DTO** when set means that the telephone number and the divert number for that user can dial into the panel and release the door/gate.

**TB** Select a time band for the user. This user will only be able to receive calls within this timeband.



#### FILE MENU:

From the file menu it is possible to create a new data file, open an existing data file and save the current data file. These options are available online or offline allowing the data file to be created on or off site for convenience.

The exit option will close the program.



😹 VIDI	EX GSM	INTERCO	DM		_		
<u>F</u> ile	<u>D</u> ata	Sort	<u>A</u> bout				
MAIN	U	pload	•		Upload All		
	D	ownload	d 🕨		Upload Settings		Г
					Upload Call in Range	۲	L
				_	D		۰.
M	lemory	Te	lephone	No.	Divert Telephone No.		A
	lemory X GSM I		lephone )M	No.	Divert Telephone No.		A
M VIDE File	EX GSM I	Te NTERCC Sort	M About	No.	Divert Telephone No.		A
VIDE File MAIN	Iemory X GSM I Data U	Te NTERCC Sort pload	M About	No.	Livert Telephone No.		A
VIDE File MAIN	EX GSM I Data U D	Te NTERCC Sort pload ownload	About	No.	Divert Telephone No.		A
VIDE File MAIN	EX GSM I Data U D	Te NTERCC Sort pload ownload	About	No.	Download All Download Settings		

#### DATA MENU:

The data menu is only available when online. From here it is possible to upload the information from the PC to the GSM unit and download information from the GSM unit to the PC. Both upload and download have several options which include the facility to upload/download all data or upload/download only a section of data which is required and has been changed. When uploading it is recommended to only upload the range of locations in use as the upload for the complete memory will take a long time.

🔀 VIDEX GSM INTERCOM						
File	Data	Sort	About			
MAIN	SETTIN	E	By Apartment No.			
		By name				
	-					

# SORT MENU:

From the sort menu it is possible to put all the users data in order of apartment name or apartment number. On panels using the scroll facility we would recommend sorting into apartment name order.









# Minimum PC Requirements:-

- Windows XP Service Pack 3 or Later
- DotNet framework 4 or later
- CD Drive (For installation only)
- USB port

#### The PC software kit should include:-

- GSMPRO CD-ROM
- USB A to USB Micro USB cable
- This user instruction

#### Licence agreement

This software once purchased can be used on as many GSM intercoms as required and under the control of the company which purchased the software but the CD cannot be copied or redistributed.

# **Northern Office**

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