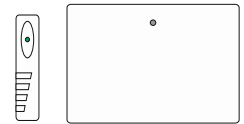




The Texecom Driver



The Texecom driver connects to the Texecom Premier Elite alarm system. Available for Commander and ObSys.

This document relates to Texecom driver version 1.0

Please read the *Commander Manual* or *ObSys Manual* alongside this document, available from www.northbt.com

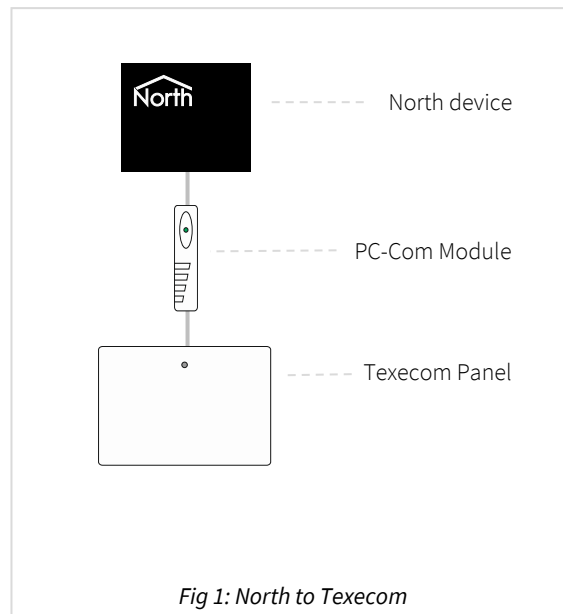
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Compatibility with the Texecom System

The Texecom driver allows North to interface to the Texecom Premier Elite alarm system.

The driver connects to a Texecom PC-Com RS232 module (Fig. 1), and can communicate with a single Premiere security alarm panel.



Equipment

Texecom security alarm panels compatible with the driver include:

- Texecom Premier series
- Texecom Premier Elite series

24/48/88/168/640 zone panel types are supported, each with 2/4/8/16/64 areas available respectively. 8 zones are initially available and can be upgraded by the manufacturer.

Values

The driver can typically access the following values:

- Panel system information
- Area group armed
- Area group alarm state
- Zone state
- Zone omit
- Aux output

Prerequisites

The Texecom Premier/Premier Elite panel requires version 9.05 software or higher.

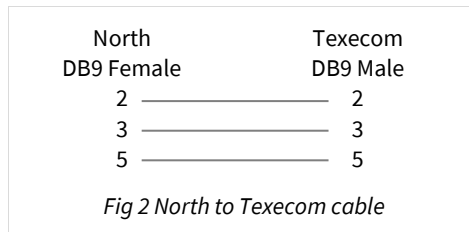
A Texecom PC-Com RS232 module is required (part number 'JAA-0001'). This connects into COM2 on the Texecom panel.

Using the Driver

On ObSys, the Texecom is pre-installed. On Commander, the driver is available to download in the file 'Bank 10 Texecom.cdm'. On all of these North devices, you can use the driver to create an interface to Texecom. Once started, you will need to set up the driver before it can communicate with the Texecom system.

Making the Cable

Using the RS232 cable specification, connect the North Device COM port to the Texecom End 'RS232' port. Connector types at each end of the cable are shown.



The maximum RS232 cable length is 15m and should be as short as possible.

Cables are available from North, order code CABLE/TEXECOM.

Starting the Interface

- 🖥️ To start an interface using the Texecom driver, follow these steps:
 - **Start Engineering** your North device using ObSys
 - Navigate to **Configuration, Interfaces**, and set an unused **Interface** to 'Texecom' to start the particular interface
 - Navigate to the top-level of your North device, then rescan it

The driver setup object (Mc), labelled **Texecom Setup**, should now be available. If this object is not available, check an interface licence is available and the driver is installed.

Setting up the Driver

- 🖥️ To set up the driver, follow these steps:
 - Navigate to the **Texecom Setup** object (Mc). For example, if you started interface 1 with the driver earlier, then the object reference will be 'M1'
 - Set the **RS232 Com Port** (RS.COM) to select which serial port on the North Device is connected to the Texecom Pc-Com module
 - Set **UDL Password** (PSW) to match the panel's remote access code. The UDL password is configured in a panel using Texecom Wintex configuration software, the default password is '1234'
 - Set **Panel Type** (TY) to select the type of panel connected.

Object Specifications

Once an interface is started, one or more extra objects become available within the top-level object of the device. As with all North objects, each of these extra objects may contain sub-objects, (and each of these may contain sub-objects, and so on) - the whole object structure being a multi-layer hierarchy. It is possible to navigate around the objects using the ObSys Engineering Software.

Each object is specified below, along with its sub-objects.

Example Object Reference

An example of a reference to an object in the same device: the Texecom System (S1) contains Zones - Zone 1 (Z1), which contains a Status (S). Therefore, the complete object reference is 'S1.Z.Z1.S'

An example of a reference to an object in a different device: the IP network object (IP) contains Default Commander object (CDIP), which contains the object above (S1.Z.Z1.S) - therefore the complete object reference is 'IP.CDIP.S1.Z.Z1.S'

Device Top-Level Objects

When an interface is started using the Texecom driver, the objects below become available within the top-level object of the device. For example, if interface 1 is started, then the object references 'M1' and 'S1' become available.

Description	Reference	Type
Texecom Setup Set up the Texecom driver, started on interface c (c is the interface number)	Mc	Fixed Container: On the Commander platform this will be <i>[CDM v20\Texecom v10]</i> On the ObSys platform this will be <i>[OSM v20\Texecom v10]</i>
Texecom System Access Texecom system connected to interface c (c is the interface number)	Sc	Fixed Container: <i>[Texecom v10\System]</i>

Texecom Driver Setup

Object Type: [OSM v20\Texecom v10]

Object Type: [CDM v20\Texecom v10]

The Texecom driver contains the following objects:

Description	Reference	Type
System Label	DL	Obj\Text: 20 chars; Adjustable
RS232 COM Port	RS.COM	Obj\Num:1...8; Adjustable
UDL Password Set to match the remote access password configured on the panel. If an incorrect password is entered no object values will be available in the Texecom system. The default remote access password is '1234'.	PSW	Obj\Num: 4 digits; Adjustable
Panel Type Set to match the number of zones available in the Premier/Premiere Elite panel connected	TY	Obj\ENum:0...5; Adjustable Values:0=Unknown, 1=Premier 24, 2=Premier 48, 3=Premier 88, 4=Premier 168, 5=Premier 640

Texecom System

Object Type: *[Texecom v10]*

The Texecom system contains the following objects:

Description	Reference	Type
System	S	Fixed Container: <i>[Telecom v10/System]</i>
Areas	A	Fixed Container: <i>[Telecom v10/Areas]</i>
Zones	Z	Fixed Container: <i>[Telecom v10/Zones]</i>
Aux Outputs	AO	Fixed Container: <i>[Telecom v10/Outputs]</i>

System

Object Type: *[Texecom v10\System]*

The System object contains system information about the panel, including software version, time, and voltages:

Description	Reference	Type
Panel ID	ID	Obj\Text
Date & Time	TIME	Obj\DateTime; Adjustable
System voltage (V)	V1	Obj\Float
Battery voltage (V)	V2	Obj\Float
Battery charging current (A)	V4	Obj\Float
Status Panel alarm and fault states	O	Fixed Container: <i>[Texecom v10\System>Status]</i>
Display Virtual premier LCD keypad, displaying text and sending keypresses to the panel	D	Fixed Container: <i>[Texecom v10\System\LCD]</i>

Status

Object Type: *[Texecom v10\System>Status]*

The Texecom system status contains the following objects:

Description	Reference	Type
ATS path fault	T0	Obj\NoYes
Mains power off	T1	Obj\NoYes
Aux fuse blown	T2	Obj\NoYes
Bell tamper	T3	Obj\NoYes
Aux tamper	T4	Obj\NoYes
Panel lid tamper	T5	Obj\NoYes
Engineering working	T6	Obj\NoYes
Confirm devices	T7	Obj\NoYes
Service required	T8	Obj\NoYes
Bell fuse blown	T9	Obj\NoYes
Battery fault	T10	Obj\NoYes
Battery test	T11	Obj\NoYes
Courtesy light	T12	Obj\NoYes
System open	T13	Obj\NoYes
Fully armed	T14	Obj\NoYes
Coms failed	T15	Obj\NoYes
Coms Successful	T16	Obj\NoYes
Coms active	T17	Obj\NoYes
UDL lockout	T18	Obj\NoYes
UDL call active	T19	Obj\NoYes
UDL enabled	T20	Obj\NoYes
Confirmed alarm	T21	Obj\NoYes
Custom 1 Stage A	T22	Obj\NoYes
Custom 1 Stage B	T23	Obj\NoYes
Custom 2 Stage A	T24	Obj\NoYes
Custom 2 Stage B	T25	Obj\NoYes
Custom 2 Stage A/B	T26	Obj\NoYes
Radio-pad failed	T27	Obj\NoYes
Radio-pad successful	T28	Obj\NoYes

Description	Reference	Type
No radio-pad signal	T29	Obj\NoYes
Radio-pad lost	T30	Obj\NoYes
Custom 3 Stage A	T31	Obj\NoYes
Custom 3 Stage B	T32	Obj\NoYes
Custom 3 Stage A/B	T33	Obj\NoYes
Custom 4 Stage A	T34	Obj\NoYes
Custom 4 Stage B	T35	Obj\NoYes
Custom 4 Stage A/B	T36	Obj\NoYes
Com 1 fault	T37	Obj\NoYes
Com 2 fault	T38	Obj\NoYes
Com 1 no signal	T39	Obj\NoYes
Com 2 no signal	T40	Obj\NoYes
Coms fault	T41	Obj\NoYes
Radio jamming	T42	Obj\NoYes
Radio RX tamper	T43	Obj\NoYes
Detector test	T44	Obj\NoYes
ATS remote test	T45	Obj\NoYes
No ATS available	T46	Obj\NoYes
CIE fault	T47	Obj\NoYes
PSU fuse blown	T48	Obj\NoYes
PSU battery fault	T49	Obj\NoYes

Display

Object Type: [Texecom v10\System\LCD]

The Texecom system display emulates an LCD keypad, displaying text from and sending keypresses to the panel. It contains the following objects:

Description	Reference	Type
Line 1	L1	Obj\Text: 16 chars
Line 2	L2	Obj\Text: 16 chars
Display Returns Line 1 and Line 1 in a single value	L	Obj\Text: 32 chars
Keypress Send a keypress to the virtual displayThe virtual keypad can accept the alphanumeric characters on the table below.	KEY	Obj\Text; Adjustable only Values: 0...9 = 0...9, M=Menu, Y=Yes, N=No, U=Up, D=Down, A=Area, T=Part, O=Omit, R=Reset, F=Fire, P=PA, E=Medical, C=Chime

Areas

Object Type: [Texecom v10\Areas]

The Texecom Areas object is an object containing all areas and a list of individual areas in the Texecom system. An area is a group of one or more zones, with either a single area encompassing all of the zones on the system, or separate areas which can be monitored independently of each other. Depending on the system and its configuration not all areas may be available.

The Texecom Areas contains the following objects:

Description	Reference	Type
All Areas	ALL	Fixed Container: [Texecom v10\Areas\Group]
Area x Area number, x, is in the range 1....16 – the number of areas available will depend on the Texecom panel type.	Gx	Fixed Container: [Texecom v10\Areas\Group]

Area Group

Object Type: [Texecom v10\Areas\Group]

The Texecom area group object contains status information about an Area in a Texecom system. An Area can be partly or fully armed as required to enable activation of certain alarms statuses under certain panel conditions; please refer to manufacturer documentation for more information.

Description	Reference	Type
Armed Status	S	Obj\Enum: Adjustable Values: 0=Disarmed, 1=Full, 2=Part Adjustable
Reset Area	R	Obj\NoYes; Adjustable-only
Reset required	OT36.S	Obj\NoYes
Alarm	OT0.S	Obj\NoYes
Guard alarm	OT1.S	Obj\NoYes
Guard access alarm	OT2.S	Obj\NoYes
Entry alarm	OT3.S	Obj\NoYes
Confirmed alarm	OT4.S	Obj\NoYes
24hr audible alarm	OT5.S	Obj\NoYes
24hr silent alarm	OT6.S	Obj\NoYes
24hr gas alarm	OT7.S	Obj\NoYes
PA alarm	OT8.S	Obj\NoYes
PA silent alarm	OT9.S	Obj\NoYes
Duress alarm	OT10.S	Obj\NoYes
Fire alarm	OT11.S	Obj\NoYes
Medical alarm	OT12.S	Obj\NoYes
Aux alarm	OT13.S	Obj\NoYes
Tamper alarm	OT14.S	Obj\NoYes
Abort	OT15.S	Obj\NoYes
Ready	OT16.S	Obj\NoYes
Entry	OT17.S	Obj\NoYes
Second entry	OT18.S	Obj\NoYes
Exit	OT19.S	Obj\NoYes
Entry/Exit	OT20.S	Obj\NoYes
Armed	OT21.S	Obj\NoYes
Full armed	OT22.S	Obj\NoYes

Description	Reference	Type
Part armed	OT23.S	Obj\NoYes
Part arming	OT24.S	Obj\NoYes
Force armable	OT25.S	Obj\NoYes
Force armed	OT26.S	Obj\NoYes
Arm failed	OT27.S	Obj\NoYes
Bell SAB	OT28.S	Obj\NoYes
Bell SCB	OT29.S	Obj\NoYes
Strobe	OT30.S	Obj\NoYes
Detector latch	OT31.S	Obj\NoYes
Detector reset	OT32.S	Obj\NoYes
Walk test	OT33.S	Obj\NoYes
Omitted	OT34.S	Obj\NoYes
24hr Omit	OT35.S	Obj\NoYes
Door strike	OT37.S	Obj\NoYes
Chime mimic	OT38.S	Obj\NoYes
Chime enabled	OT39.S	Obj\NoYes
Double knock active	OT40.S	Obj\NoYes
Beam pair	OT41.S	Obj\NoYes
Zone on test	OT42.S	Obj\NoYes
Test failed	OT43.S	Obj\NoYes
Internal alarm	OT44.S	Obj\NoYes
Auto arming	OT45.S	Obj\NoYes
Time aiming	OT46.S	Obj\NoYes
1st code entered	OT47.S	Obj\NoYes
2nd code entered	OT48.S	Obj\NoYes
Area secured	OT49.S	Obj\NoYes
Part arm 1	OT50.S	Obj\NoYes
Part arm 2	OT51.S	Obj\NoYes
Part arm 3	OT52.S	Obj\NoYes
Custom alarm	OT53.S	Obj\NoYes
Zone warning	OT54.S	Obj\NoYes
Arm fail warning	OT55.S	Obj\NoYes
Forced entry	OT56.S	Obj\NoYes
Zones locked out	OT57.S	Obj\NoYes
All armed	OT58.S	Obj\NoYes
Time arm disabled	OT59.S	Obj\NoYes
Armed/Alarm	OT60.S	Obj\NoYes
Intruder alarm	OT61.S	Obj\NoYes
Speaker mimic	OT62.S	Obj\NoYes
Full armed/exit	OT63.S	Obj\NoYes
Detector fault	OT64.S	Obj\NoYes
Detector masked	OT65.S	Obj\NoYes
Fault present	OT66.S	Obj\NoYes
LED control	OT67.S	Obj\NoYes
Full armed entry	OT68.S	Obj\NoYes

Zones

Object Type: [Texecom v10\Zones]

The Texecom Zones object contains a list of zones in the Texecom system. A zone consists of one or a group of detection devices being monitored by the panel, for example, individual entrances, rooms or floors. When the system is fully armed, all of the zones on the system are monitored. Depending on the system and its configuration not all zones may be available.

The Texecom Zone object contains the following objects

Description	Reference	Type
<p>Zone x The Zone Number, x, is dependent on the panel type. The following panel types are supported. 24 zone with 2 areas, 48 zone with 4 areas 88 zone with 8 areas, 168 zone with 16 areas, 640 zone with 64 areas.</p>	Zx	Fixed Container: [Texecom v10\Zones\Zone]

Zone

Object Type: [Texecom v10\Zones\Zone]

The Texecom Zone object contains the occupancy statuses and alarm information for a particular Zone within a Texecom system.

Description	Reference	Type
Status	S	Obj\Enum Values: 0=Healthy, 1=Alarm, 2=Tamper, 3=Shorted
Alarmed	AS	Obj\NoYes
Omit	O	Obj\NoYes; adjustable
Type	T	Obj\Num
<p>In Area x The Area number, x, is in the range 1...16. Depending on the panel and its configuration only some 'In Area x' objects may be available</p>	Ax	Obj\NoYes

Aux Outputs

Object Type: [Texecom v10\Outputs]

The Texecom Aux Outputs object contains the auxiliary outputs from the Texecom system:

Description	Reference	Type
PC Output 1	PC1.S	Obj\OffOn; Adjustable
PC Output 2	PC2.S	Obj\OffOn; Adjustable
PC Output 3	PC3.S	Obj\OffOn; Adjustable
PC Output 4	PC4.S	Obj\OffOn; Adjustable
PC Output 5	PC5.S	Obj\OffOn; Adjustable
PC Output 6	PC6.S	Obj\OffOn; Adjustable
PC Output 7	PC7.S	Obj\OffOn; Adjustable
PC Output 8	PC8.S	Obj\OffOn; Adjustable
X-10 Output 1	X1.S	Obj\OffOn; Adjustable
X-10 Output 2	X2.S	Obj\OffOn; Adjustable
X-10 Output 3	X3.S	Obj\OffOn; Adjustable
X-10 Output 4	X4.S	Obj\OffOn; Adjustable
X-10 Output 5	X5.S	Obj\OffOn; Adjustable
X-10 Output 6	X6.S	Obj\OffOn; Adjustable
X-10 Output 7	X7.S	Obj\OffOn; Adjustable
X-10 Output 8	X8.S	Obj\OffOn; Adjustable

Driver Versions

Version	Build Date	Details
1.0	19/12/2011	Driver released

Next Steps...

If you require help, contact support on 01273 694422 or visit www.northbt.com/support



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