



GAI-TRONICS®



Rugged Communications Equipment and Solutions

www.gai-tronics.co.uk



GAI-Tronics is a UK based design and manufacturer of rugged communications equipment. Our telephones and systems work, and last, in environments where regular products wouldn't.



TELEPHONES

GAI-Tronics' range of telephones have been designed to meet the most arduous environments, withstanding extremes of temperature and providing enhanced levels of electro-magnetic & lightning protection. All telephones comply with European standards as well as the stringent approval processes set by national rail, road and airport authorities, police forces, councils and petrochemical industries. GAI-Tronics' standard telephones combine weather and vandal resistance with bespoke acoustic design. But where we really excel is our flexibility when you need a customised product.



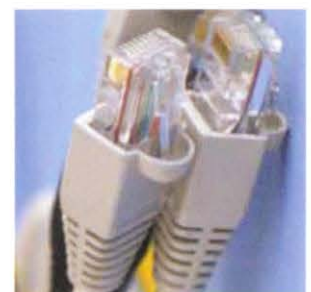
SYSTEMS

Your safety is paramount and, whether you need a simple public address system or a full communications solution or network, GAI-Tronics is able to provide all the support you need right through the process from advice and planning to implementation, commissioning and aftercare. Your system will be designed from the ground up to ensure that it fulfils your specifications for life-critical communications.



CONNECTIVITY OPTIONS

GAI-Tronics has a range of **analogue**, **VoIP-SIP** and **GSM (GSM-R)** telephones designed for arduous environments. Open protocol hardware gives telecoms designers the flexibility to furnish an entire estate with the same hardware, but with a choice of connectivity for each location. This allows projects to be deployed efficiently and cost-effectively.



COMMANDER

A tough, weather resistant unit, built to withstand abuse and environmental extremes

The Commander body is moulded in glass filled polyester to prevent rust and corrosion. It is simple to install with fixings concealed from view giving increased security from vandalism.



Product Name	Part Number
Commander, Analogue, 0 button, yellow, steel cord	028-02-2840-602
Commander, Analogue, 15 button, yellow, steel cord	620-8221422122A
Commander, SMART, 0 button, yellow, steel cord	227-02-0000-212
Commander, SMART, 15 button, yellow, steel cord	227-02-000F-212
Commander, VoIP, 15 button, yellow, steel cord	111-02-001F-212
Commander, GSM, 3 button, yellow, steel cord	231-02-0003-212

NOTE: For other variants, please contact GAI-Tronics. See Brochure B009 and B196 (GSM Commander) for more information.



Standard Analogue
SMART Analogue
VoIP-SIP
GSM (GSM-R)

TITAN

The door offers further environmental resistance, increased IP rating and potential vandalism is deterred

Titan's aluminium body is robust and designed to look good and last longer in hostile outdoor environments. Along with weather and vandal resistance, the Titan range meets the acoustic performance, reliability and varying applications demanded by today's markets.



Product Name	Part Number
Titan, Analogue, 0 button, yellow, steel cord	2000L2B31111K2E
Titan, Analogue, 15 button, yellow, steel cord	2000C2B21111C2A
Titan, SMART Analogue, 0 button (CB), yellow, steel cord	226-02-0000-222
Titan, SMART Analogue, 15 button, yellow, steel cord	226-02-000F-222
Titan, VoIP, 15 button, yellow, steel cord	110-02-001F-222
Titan, GSM, 3 button, yellow, steel cord	230-02-0013-212

NOTE: For other variants, please contact GAI-Tronics. See Brochure B024 and B204 (GSM Titan) for more information.



Standard Analogue
SMART Analogue
VoIP-SIP
GSM (GSM-R)

AUTELDAC 4

ATEX and IECEx approved telephone, certified for safe use in hazardous environments, Zone 1 & Zone 2, Zone 21 & Zone 22

Made from carbon loaded glass filled polyester, the Auteldac 4 has secured ATEX approval to provide a tough, weather resistant unit built to withstand arduous industrial atmospheres. With smooth corners and a low profile to the wall, the Auteldac 4 is ideal for confined spaces such as rig cabins.



Product Name	Part Number
Auteldac 4, Analogue, 0 button, black, curly cord	212-02-2000-031
Auteldac 4, Analogue, 18 button, black, curly cord	212-02-2008-031
Auteldac 4, Analogue, 18 button, black, steel cord with headset	212-02-2008-110
Auteldac 4, VoIP, 0 button, black, curly cord	212-02-7000-001
Auteldac 4, VoIP, 18 button, black, curly cord	212-02-7008-001
Auteldac 4, VoIP, 18 button, black, curly cord with headset	212-02-7008-132

NOTE: For other variants, please contact GAI-Tronics. See Brochure B169 (Analogue) and B193 (VoIP) for more information.



Standard Analogue
VoIP-SIP

VR HELP POINT

Offers a high level of vandal resistance with metal buttons and flush mount design with no handset



The VR can give a quick and easy link to emergency or information lines. The VR is fully electronic, weather and vandal resistant. It provides hands-free, loud-speaking communications for any public area. Incoming calls are indicated by a flashing LED and audible tone. VR backbox sold as separate item.

Product Name	Part Number
VR, SMART Analogue, 1 button, silver grey	228-02-2001-901
VR, SMART Analogue, 2 button, silver grey	228-02-2002-901
VR, SMART Analogue, 3 button, silver grey	228-02-2003-901
VR, VoIP, 1 button, silver grey	112-02-0011-001
VR, VoIP, 2 button, silver grey	112-02-0012-001
VR, VoIP, 3 button, silver grey	112-02-0013-001
Backbox	100-02-0257-001

NOTE: See Brochure B153 for more information and technical specification.



SMART Analogue
VoIP-SIP

PUBLIC HELP POINT

In addition to all benefits of VR, this help point incorporates features to assist with special needs



The Help Point is designed to help you to comply with The Equality Act 2010 (EA) and therefore ideal for use in public areas. It is finished in contrasting colours with a raised 32mm button. Raised text and Braille is included on a colour contrasted panel. Inductive loop is standard. Backbox included.

Product Name	Part Number
DDA, SMART Analogue, 1 button, yellow	228-02-2321-902
DDA, SMART Analogue, 2 button, yellow	228-02-2552-902
DDA, VoIP, 1 button, yellow	112-02-0021-112
DDA, VoIP, 2 button, yellow	112-02-0022-112

NOTE: See Brochure B177 for more information and technical specification.



SMART Analogue
VoIP-SIP

PHP400

Offers a high level of vandal resistance with metal buttons and flush mount design with no handset



The Help Point is a rugged, public access hands-free telephone housed in a white enclosure. The design of the unit takes into consideration the requirements of The Equality Act 2010 (EA). PHP400 units are 400mm diameter, 88mm deep.

Product Name	Part Number
PHP400, SMART Analogue, 1 button, white	228-02-6131-90W
PHP400, SMART Analogue, 2 button, white	228-02-6132-90W
PHP400, VoIP, 1 button, white	112-02-0081-11W
PHP400, VoIP, 2 button, white	112-02-0082-11W
PHP400, GSM, 1 button, white	228-02-6101-90W
PHP400, GSM, 2 button, white	228-02-6102-90W

NOTE: See Brochure B189 and for more information and technical specification.



SMART Analogue
VoIP-SIP
GSM

SENTINEL

Fully electronic, ruggedised and weather resistant hands-free telephone



The hands-free weather resistant Sentinel is flush or surface mounted and designed to be fixed to a vertical surface by vandal resistant tamperproof screws. The combined metal keypad and stainless steel faceplate provide protection from the harshest environments up to IP65. Incoming calls are indicated by a flashing LED and audible warble tone. A volume control button is provided for noisy environments. Two pre-programmable memory location buttons are also included (MEM1 & MEM2).



Product Name	Part Number
Sentinel, SMART Analogue, 16 button, silver	228-02-650G-009
Backbox	100-02-0257-001

NOTE: See Brochure B031 for more information and technical specification.

SMART Analogue

VOIP CLEAN PHONE

Hands-free communications over an existing VoIP network for clean room environments



The VoIP Clean Phone® offers hands-free communications over an existing VoIP network for clean room or sterile environments. The visual graphics are printed on the reverse side of the overlay to prevent particulate shedding and to ensure longevity. The VoIP Clean Phone® features alarm reporting that enables system supervisors to monitor the telephone's activity and address maintenance issues immediately. All Clean Phone® models are compatible with GAI-Tronics' Telephone Management Application (TMA) Software. Flush or wall-mount telephone options are available.



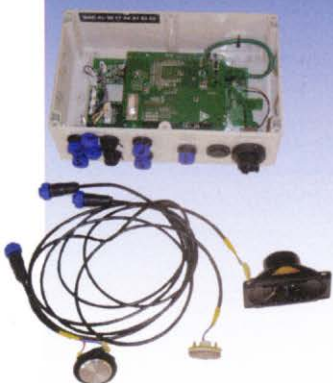
Product Name	Part Number
Clean Phone, VoIP, 17 button, grey, flush-mount	Contact GAI-Tronics
Clean Phone, VoIP, 17 button, grey, wall-mount	Contact GAI-Tronics

NOTE: For more information and order codes, please contact GAI-Tronics.

VoIP-SIP

EMBEDDED PHONE KIT

Ideal for lifts, escalators, ticket machines and door or gate entry systems



GAI-Tronics offers a flexible voice communications kit over Analogue, VoIP-SIP and GSM to embed into your products, providing excellent voice communications. This kit presents open protocols that interface seamlessly into many existing systems. Incoming calls are indicated by a flashing LED and audible warble tone.

Product Name	Part Number
Embedded Phone Kit, SMART Analogue	Contact GAI-Tronics
Embedded Phone Kit, VoIP	Contact GAI-Tronics
Embedded Phone Kit, GSM	Contact GAI-Tronics

NOTE: For order codes, please contact GAI-Tronics. See Brochure B198 for more information.w

SMART Analogue
VoIP-SIP
GSM



EMERGENCY ROADSIDE TELEPHONE



The ERT is a high-visibility emergency telephone, which may be configured to meet different installation requirements. The Emergency Roadside telephone offers a range of innovative features that greatly improve the clarity and functionality for both the user at the roadside, and for the operator monitoring calls in the Control Office.



Product Name	Part Number
Emergency Roadside Telephone, PSTN	Contact GAI-Tronics
Emergency Roadside Telephone, GSM	Contact GAI-Tronics
Emergency Roadside Telephone, VoIP	Contact GAI-Tronics

NOTE: For order codes and technical specification, please contact GAI-Tronics.



SOLAR POWERED GSM-R TITAN



Designed for use outdoors, the GSM-R solar powered telephone offers wireless communications to give you a completely stand alone unit. The battery and GSM-R electronics are integral to the telephone to provide a complete rugged solution for permanent or temporary installations.



Product Name	Part Number
Titan, GSM-R, 0 button (CB), yellow, steel cord	230-02-1000-252
Titan, GSM-R, 15 button, grey, steel cord	230-02-100F-261
Solar Panel & Masthead Assembly	100-02-2100-001
Post, yellow	501-20-0696-003

NOTE: For other variants, please contact GAI-Tronics. See Brochure B210 for more information and technical specification.



PAGE/PARTY®

Communication systems provide paging and party-line capabilities

GAI-Tronics offers two variations of the Page/Party® system: Page/Single-Party (with **one** party line), or Page/Multi-Party (with five party lines for up to five simultaneous two-way conversations). Operation is simple: the user lifts the station handset and presses the page button. Speaking directly into the handset, the user announces his page. The responding individual(s) lifts the handset of their nearest Page/Party® station for telephone-type, duplex communication over the party line. Up to ten individuals may engage in conversation on each party line.

Product Name	Part Number
Page/Party Stations	Contact GAI-Tronics

NOTE: For order codes , please contact GAI-Tronics. See Brochure 980500 (US version) for more information and technical specification.



HAZARDOUS AREA DIGITAL INTERCOM



Comprising of a central controller or intercom server and various outstations, the systems' digital architecture is used to link the stations with the intercom server. Standard intercom servers units include station line cards, audio interfaces and relay interfaces allowing ease of connection to PA, Radio or Alarm systems. Additionally, tone generators and telephone/radio interfaces may be added to create complex loud-speaking and PA systems.

Product Name	Part Number
Hazardous Station With Keypad, 120VAC	DEX-202
Hazardous Station With Keypad, 24VDC	DEX-102
Hazardous Station NO Keypad, 24VDC	DEX-101



NOTE: See Brochure 030501 (US version) for more information and technical specification.

RIGCOM

A common-talk communication system designed for hazardous and harsh environments



RigCom is simple to use with push-to-talk/release-to-listen (PTT/RTL) operation. The station can also be configured for handsfree operation where the speaker is always in listen mode.

The RigCom station consists of an explosion-proof case, which houses the electronics, and an explosion-proof loudspeaker that also functions as the microphone. The RigCom is compatible with GAI-Tronics EZ Page. Also available IEC & ATEX Zone 1 RigCom

Product Name	Part Number
RigCom Station	400-001
RigCom Station (no Speaker)	400-002NS
IEC & ATEX Zone 1 RigCom Station	400-003



NOTE: See Brochure F930217 (RigCom) & 130101 (IEC & ATEX Zone 1 RigCom) for more information and technical specification.

EZ PAGE

A common-talk communication system designed for a wide variety of rugged applications



EZ Page is simple to use with push-to-talk/release-to-listen (PTT/RTL) operation, and will withstand the harsh effects of the environment. The station consists of a rugged cast-aluminium enclosure that houses the electronics and loudspeaker, which also functions as the microphone.

Product Name	Part Number
EZ Page, 230Vac, single pair connection	GC-AC3
EZ Page, 115Vac, single pair connection	GC-AC4
EZ Page, 230Vac, additional PTT	GC-AC5-A



NOTE: See Brochure B174 for more information and technical specification.

ELEMEC3

Digitally controlled Public Address and General Alarm system PA/GA

The *Elemec3* high integrity PA/GA system is commonly used on Oil & Gas Platforms, FPSOs, Power Stations & Oil Refineries, Chemical Plants & Industrial Complexes worldwide where the safety of all personnel is of immense importance. The equipment is specifically and fundamentally designed for failsafe operation, with extensive system and fault status monitoring for maximum availability at all times.

- Compliant to UKOOA, PFEER, IMO, ABS, SOLAS, DNV, CCS, NORSOK guidelines
- Class D intelligent power amplifiers in 1U case
- Modular design for easy maintenance
- Fully monitored & programmable access panels
- Message storage and replay up to 25MB
- Remote status & fault monitoring software
- Two audio paths for simultaneous broadcasting



NOTE: For order codes, please contact GAI-Tronics. See Brochure **B209** for more information and technical specification.

NOVA

Public Address and General Alarm system

The NOVA Public Address and General Alarm system utilises microprocessor technology and cutting edge digital voice techniques to provide superior performance and reliability for all types of facilities. From remote system monitoring, to complete system health checks, and individually addressable speakers, NOVA's innovative features meet customers requirements in a wide range of applications.

- Fully networkable system offers almost limitless audio distribution capability
- Remote network interface reduces costs by allowing remote maintenance and system reconfiguration
- Fault diagnosis / alarm reporting are shown on the access panel informs operator of system problems immediately
- Fully configurable messages and alarm tones offer practically unlimited capacity of expansion
- With GAI-Tronics patented Smart Modules, the system monitors troubleshooting of the individual speakers, line transformers, and voice-coils with no additional cabling required, which significantly reduces maintenance costs
- Large capacity CobraNet® digital audio matrix accommodates majority of system sizes



NOTE: For order codes, please contact GAI-Tronics. See Brochure **081001 (US version)** for more information and technical specification.

ADVANCE

Public Address and General Alarm system

Advance / SmartSeries™ systems offer a combination of both central amplified PA/GA and fully monitored intercommunication stations.

The systems are fully adaptable to meet a variety of facility sizes, from a few to several hundred stations. Both the central equipment and the out stations can be monitored from a central location using the SMART Portal.

- Compliant to UKOOA, PFEER, ABS, DNV, CCS guidelines
- Broadcast of up to 100 alarm tones and pre-recorded speech messages, all custom configured
- The ID feature identifies the specific station generating a page, so that control room personnel can locate the source of the emergency
- The Emergency Party Line feature automatically connects the SmartSeries™ station to the Control Room, as well as identifying the specific station, to locate the source of the emergency



SMART Portal

NOTE: For order codes , please contact GAI-Tronics. See Brochure **961109 (US version)** for more information and technical specification.

ILLUMINATED CROSSING PHONE - KETS & PETS



The Titan Illuminated Crossing telephone is specifically designed and approved for installation at automatic half barrier (AHB) level crossings. The telephone is fitted with a white backlit legend panel, which can be used to provide visible instructions at night.

Product Name	Part Number	PADS Number
KETS (Kestrel Emergency Telephone System)	028-02-3361-652	87/038055
PETS (Public Emergency Telephone System)	028-02-3191-652	87/037961

NOTE: See Brochure B205 (KETS) & B173 (PETS) for more information and technical specification.



TITAN



Titan's aluminium body is robust and designed to look good and last longer in hostile outdoor environments. 0 button (CB) can be used to initiate a PABX 'hotline' or lift handset and wait for reply, where the PABX does the call routing/dialling.

Product Name	Part Number	PADS Number
Titan, Analogue, CB, grey, curly cord , No Door	028-02-1760-601	87/073303
Titan, Analogue, CB, grey, steel cord	028-02-2790-651	87/037914
Titan, Analogue, CB, grey, curly cord	028-02-2790-751	87/037915
Titan, Analogue, CB, yellow, steel cord	028-02-2790-652	87/037926
Titan, GSM-R, 15 button, grey, steel cord	230-02-100F-261	87/038240
Titan, GSM-R, CB, yellow, steel cord	230-02-1000-252	87/038242

NOTE: See Brochure B024, B149 & B210 for more information and technical specification.



PHP400 HELP POINT



The design of the unit takes into consideration the requirements of The Equality Act 2010. PHP400 units are 400mm diameter, 88mm deep. 2 button autodialler Buttons labelled "Information" and "Emergency". 1 button autodialler can be configured to dial a stored number or as a 'hotline', where the exchange routes the call.

Product Name	Part Number	PADS Number
PHP400, SMART Analogue, 1 button, 48Vdc	228-02-6131-90W	087/037994
PHP400, SMART Analogue, 2 button, 48Vdc	228-02-6132-90W	087/037995
PHP400, VoIP-SIP, 1 button, 48Vdc	112-02-0081-111	087/037992
PHP400, VoIP-SIP, 2 button, 48Vdc	112-02-0082-111	087/037993
PHP400, GSM, 1 button, 48Vdc	228-02-6101-90W	087/037996
PHP400, GSM, 2 button, 48Vdc	228-02-6102-90W	087/037997

NOTE: See Brochure B189 for more information and technical specification.



COMMANDER



The Commander body is moulded in glass filled polyester to prevent rust and corrosion. It is simple to install with fixings concealed from view giving increased security from vandalism.

Product Name	Part Number	PADS Number
Commander, Analogue, 18 button, yellow, steel cord	620-A221422122E	87/37964
Commander, Analogue, 15 button, yellow, steel cord	620-B221422122A	87/37965
Commander, Analogue, 0 button, yellow, steel cord	2200L1424212N21	87/37966

NOTE: See Brochure B009 for more information and technical specification.



23dB Hood



Suitable for use with GAI-Tronics telephones, Page/Party® equipment and Elemec external access panels

NOTE: Contact GAI-Tronics for order codes. See brochure B080 for more information.

9dB Hood



Suitable for Auteldac 4 telephone

Part Numbers
501-09-0074-701 Yellow
501-09-0074-702 Red

NOTE: See brochure B058 for more information.

11 Joule Beacons for VoIP Telephones



Compatible with GAI-Tronics VoIP telephones and systems

Part Numbers
986-07-0024-303 Amber
986-07-0024-302 Red
986-07-0024-305 Green
Available lens colours: amber, red, green, blue, clear

NOTE: For other lens colour variants, please contact GAI-Tronics. See brochure B198 for more information.

Beacons for Analogue Telephones



Compatible with GAI-Tronics analogue telephones and systems

Part Numbers
100-02-0021-303 2.5 Joule, Amber
100-02-0013-305 11 Joule, Green
100-02-0022-402 Ultra Low Current LED, Red
Available lens colours: amber, red, green, blue, clear

NOTE: For other lens colour variants, please contact GAI-Tronics. See brochure B098 for more information.

PSTN Mounting Post



Enables free standing mounting of GAI-Tronics telephones

Part Numbers
100-02-0082-001 Grey
100-02-0082-002 Yellow
100-02-0082-003 Galvanised

NOTE: Contact GAI-Tronics for more information.

PSTN Mounting Post



For use with PHP400 Help Point

- all cabling mounted internally
- 1 button PHP400 will be 1200mm from ground

Part Number
100-02-0697-001 Post

NOTE: Contact GAI-Tronics for more information.

Alarm Sounder



Compatible with GAI-Tronics telephones and systems

Part Number
100-02-7006-000 Alarm Sounder

NOTE: See brochure B168 for more information.

Ex Beacons - 5 Joule & 21 Joule



Available for A4 telephone and Page/Party®

Part Numbers
986-07-1002-001 5 Joule, 230VAC, Amber
986-07-1002-011 5 Joule, 48VDC, Amber
986-07-1001-001 21 Joule, 230VAC, Amber
986-07-1001-011 21 Joule, 48VDC, Amber
Available lens colours: amber, red, green, blue, clear

NOTE: For other lens colour variants, please contact GAI-Tronics. See brochure B090 and B201 for more information.

Ex Beacon/Sounder Combined Alarm



Available for A4 telephone and Page/Party®

Part Numbers
986-07-1003-001 230VAC, Amber
986-07-1003-013 48VDC, Clear
Available lens colours: amber, red, green, blue, clear

NOTE: For other lens colour variants, please contact GAI-Tronics. See brochure B200 for more information.

Ex Sounder



For Zone 1 & Zone 2 use

Part Numbers
BEXS110D48DC 48VDC
BEXS110D115AC 115VAC
BEXS110D230AC 230VAC

NOTE: See brochure B053 for more information.

Headset



Suitable for use with Auteldac 4 and Commander telephones

Part Numbers
For Auteldac 4
100-02-0598-001 Headset and plug
610-35-2036-001 Extension cord for headset
For Commander
988-00-9067-000 Headset and plug

NOTE: The headset only fits into telephones with a headset socket, so Please make sure you order the correct version of Auteldac 4 or Commander.

VoIP Speaker Amplifier Assemblies



Enable broadcasting to personnel throughout a facility or area over an existing VoIP network via an external speaker(s) or connection to a central amplifier speaker system

Part Numbers
10370-701 8-Ohm Output
10370-702 70.7 V and 100 V Audio Output

NOTE: See brochure 131101 (US version) for more information.

NOTE: For other variants, part numbers and more information, please contact GAI-Tronics

GAI-Tronics Custom Designs To Customer Requirements

GAI-Tronics' standard telephones combine weather and vandal resistance with bespoke acoustic design. But where we really excel is our flexibility when you need a customised product.

Levels of customisation include:

1. Changing the look of a standard product:

By incorporating customer house colours or branding, a different button configuration or keypad style, or by creating a completely different faceplate or enclosure to meet customer's site-specific requirements.

2. Changing the use of a standard product:

By means of software, we can amend the functionality of the telephone. Examples are: disabling full keypad function until the autodial number has answered, on/off button on a help point, remote door opening through the phone, or having a beacon flash for all calls except maintenance (TMA) calls.

3. Designing and developing a completely new product for you:

We work with you from the outset to provide approved, tested and verified products for your application.

GAI-Tronics can accommodate all of these and will offer advice to help you choose the best option for your particular application.

Hands-Free HELP POINTS



Handset Telephones



Systems

Your safety is paramount and, whether you need a simple public address system or a full communications solution/network, GAI-Tronics is able to provide all the support you need right through the process from advice and planning to implementation, commissioning and aftercare. Your system will be designed from the ground up to ensure that it fulfils your spec - from approvals to usage - you only have to ask. Offering both standard and customised products, GAI-Tronics' flexibility is key to giving you exactly what you need. If you can't see what you want on our website, contact us and we will discuss ways of achieving your specifications. Working with end users, system design houses and major oil & gas companies you can rely on GAI-Tronics' expertise to provide you with the solution you need.

Communication you can depend on...

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The policy of GAI-Tronics is one of continuous improvement; therefore the company reserves the right to change specifications without notice.