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| The Bison range of industrial heavy duty special environment phones are designed for use in courtesy or security applications. The all steel construction, combined with an engineering thermoplastic handset and cradle provide a durable phone capable of withstanding repeated use, in a wide variety of environments.Bison is available in grey or highly visible yellow, has overall ingress protection rating of IP55 with many of its component parts rated even higher and can also be provided in a bespoke IP66 rated enclosure.Bison can be programmed to offer the user features shown below:**Single Number Auto Dialler**Bison can be programmed so that when the handset of the phone is lifted, it will automatically dial a pre-programmed number (after a few seconds); like a 'hot line' telephone. The number is programmed into the 'off hook' memory store.**Four Memory Keys**Bison has four one touch memory buttons (red, yellow, green and blue).The user can lift the handset and one of the four memory keys can be pressed, to dial one of four stored numbers.These memory buttons can also be used in conjunction with the off hook memory store, so if the user lifts the handset and does not press any button, then after a few seconds, the number programmed into the 'off hook' memory will dial.**Barring or Enabling the Twelve Button Telephone Keypad**Bison also has a twelve button telephone keypad (0-9, \* and #), which can be programmed as follows:* **Enabled** - Users will be able to dial any telephone number from the keypad in the usual way.
* **Barred** - Users will be unable to dial from the keypad.They will still be able to dial numbers programmed into the memory stores (the four memory keys and the off hook memory). Using keypad barring with the memory stores will ensure that users are only able to dial the numbers the service operator wishes to permit. The four memory keys and the off hook memory can be used in conjunction with the 12 button telephone keypad.
 | http://www.kalika.co.uk/images/bison.jpg |
| **Dimensions** |
| 245mm x 155mm x 150mm |
| **Weight** |
| 2Kg |

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| **"I'm OK" Reporting**Remote Reporting of the working status of the phone and it's connected line to another telephone number.These features can be programmed and enabled for use by the Kalika Bison Interactive Voice Guided Programming System allowing safe and simple programming of the phone to the specific requirements of a particular site, from the site, without the need for any special programming tools.The operational status of the phone (the "I'm OK" report) confirming the working status of the phone and its line connection can be monitored on any phone line (land line or mobile) with a connected phone with caller display capabilities.All the programming capabilities of Bison, are managed and controlled from the remote management platform.The programming capability cannot be accessed by vandals or mischief makers.**Intelligent Fraud Prevention**Several features are built in to Bison to prevent fraudulent calls from being made; these are:* **The microphone of Bison is turned off until a memory store or a few digits from the keypad, have been dialled**This is to prevent a dishonest user attempting to set up a call using an MF Tone Pad (a hand held dialling device, with its own keypad, held close to the microphone of the telephone). Without the muting of the microphone at the start of the call, this user, with a tone pad, could make calls to any number at the expense of the service operator
* **The \* and # keys cannot be dialled until a call is established**This will prevent a fraudulent user from making use of any short codes or feature codes, which may be programmed into a Private Branch Exchange (if Bison is connected to a PBX), or from removing any network call barring restrictions on a BT line (if Bison is connected to a BT line).

This protection is designed to ensure that only the numbers which the service operator wants to be dialled, can be dialled.* **The keypad is disabled on incoming calls**Some frauds - known as 'ring back' frauds - involve a user calling into the Bison (from say his, or her, mobile phone), answering the call at Bison, and then hanging up the call at the mobile. This will usually cause dial tone to be returned to the Bison and if the keypad was enabled the user could call the world at the service operator's expense. Thus we disable the keypad on incoming calls.
* **Pressing the cradle switch (or replacing the handset in the cradle) does not of itself disconnect the phone line**Instead, it signals Bison's micro processor to break the line, which it does in a controlled way for a fixed period of time. This is to avoid what are known as 'hook flash' frauds, where a short depression of a telephone hook switch (and momentary disconnection of the phone line) can be used to invoke a registry recall and return dial tone to the user, without commencing a new call. Otherwise frauds could be committed where the user makes a second call (not subject to the dialling restrictions programmed at the phone) because they are able obtain dial tone in the middle of a call.

**Installation**The Bison range is designed for secure wall mounted installation. The case rear is fixed to the case front using hex security screws which can be released with an M4 Allen key. Bison has four holes provided on the rear case for screw fixing to the wall. The case rear can be used as a wall mounting drilling template. Suitable screws and fixings (not supplied) should be selected. The selection of fixing will depend on the surface to which Bison is being fixed. These may include screws and wall plugs, wood screws, 'rawl' bolts, or plaster board fittings. The shank diameter of the screws, or 'rawl' bolts, used should not exceed 8 mm.**Line Connection**Bison is designed for hard wired connection to a PSTN line or a compatible analogue extension of a PBX. It has a large hole in the case rear through which the telephone cable can be fed. A small block connector at the bottom of the case front allows connection of the telephone line. The a and b telephone wires can be connected to either screw terminal.Bison's PCB is conformably coated and then selected into a plastic enclosure with an 11mm gap in the chassis to allow for water regress. In the unlikely event that a unit is damaged or faulty, the replacement parts can be easily fitted without removing the cabinet from the wall.The internal components are built onto a steel chassis that simply slides out and can be replaced by anyone, removing the need for expensive engineers.

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| **Prison Phones**Both Geronimo and Bison phones provide fit for purpose solutions for Phones for use in Prisons and other correctional and secure institutions. Designed to maximise service life and system availability: * **Status and Fault Reporting**Alarms and reports can be initiated by the phones to advise of vandalism, I'm OK verification and service faults
* **LCD Display Option**Allows system generated instructions and credit balances to be displayed. The display is ideally positioned to optimise visibility and minimise damage
* **Card Readers**Optical and magnetic swipe card readers can be fitted to the side of the phones e.g. for account number entry. The display is ideally positioned to optimise visibility and minimise damage
* **Analogue or SIP Connectivity** permits use of standard or Cat5 cabling

Special Requirements? if you have any bespoke needs please [Contact Us](http://www.kalika.co.uk/contactus.html) | http://www.kalika.co.uk/images/kalika-prison-phone.jpg |

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| **Functional Specifications** | **Network Interface and Standards** |
| * **Four autodial memory stores**Four 16 digit memory stores with single button operation
* **Off Hook 'Hotdial' Memory**16 digit memory which will automatically dial when the handset is lifted. This can be used on its own, or in conjunction the other memory buttons and the telephone keypad
* **12 button, heavy duty, telephone Keypad**Enable or Disable the telephone numbers keypad
 | * Suitable for connection to the PSTN or an analogue extension of a PBX
* EN EN60950:2000
* EN 55022:1998 and Am1: 2000 and Am2: 2003
* EN 55024:1998 and Am1: 000 and Am2: 2003
* CTR21 compliant interface
* DTMF dialling
* Line Powered
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| **Case** | **Environmental** | **Keypad** | **Handset and Cable** |
| Up to 4mm steel enclosure with epoxy powder coat finish | IP55 specified Operating temperature -20 to +55 C Humidity RH 95% non condensing When housed in the bespoke enclosure, Bison has a rating of IP66 | * Layout complies with ITU Recommendation E161
* Raised, tactile pip on the 5 key
* Key construction is ultra hard wearing zinc die cast with engraved and epoxy fill legends
 | * Glass loaded polycarbonate and PBT handset
* Inductive coupling receiver (in conformance with ITU Recommendation P37)
* Sealed microphone and receiver capsules
* Armoured cable with anti burst windings and 200Kg strain force
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 | http://www.kalika.co.uk/images/clear.gif |
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| [Top](http://www.kalika.co.uk/bison.html#top) | · | info@kalika.co.uk |

 | © Voice Products Ltd 2011   |

 | http://www.kalika.co.uk/images/clear.gif |