

# Ultimate 3000™

## Ultimate 3000™ Disabled Refuge Emergency Voice Communication System



**ULTIMATE 3000™** is a fully addressable emergency voice communication system which enables disabled refuge, fire telephone, toilet alarm, intercoms and remote systems to be connected to one system using the U3000 audio and alarm data exchanges. The system offers full digital duplex audio including VoIP for the larger systems when networking multiple exchanges over LAN or WAN networks.

The Disabled Refuge facilities have been developed alongside our full range of intercom telephone entry, alarm and cell call products enabling one system to be considered for all applications using audio and alarm communications. The disabled refuge system has been designed and developed in accordance with BS5588 and BS5839.

### Master disabled refuge audio/display control panel

The system has an intelligent master feature phone(s) or hands free audio indicator panel(s), both of which include call queue programmable text LCD graphical display.



3000/DH FEATURE PHONE

### Feature handset (see feature phone data sheet for further details)

#### Hands free Duplex Indicator Panel Features and technical specification

- Available in flush or surface mount stainless steel
- Call queue 4 line LCD text display including scroll functionality
- Full digital duplex hands free audio
- 27v DC
- Low power consumption (148mA)
- Stainless steel fully functional keypad
- Call request ringtone
- Size 355mm high x 214mm wide x 65mm deep

The instruments (disabled refuge call panels, fire telephone handsets and master display panels) are connected to a master exchange(s) allowing various options from 16 - 96 channels per exchange which can then be extended up to 50 exchanges over a network. As Ultimate 3000™ uses digital technology, power consumption is extremely low, thus reducing battery standby requirements substantially (up to 400% reduction).



3000/BE/DRI INDICATOR  
PANEL



## MASTER AND NETWORKED EXCHANGES

The system is fully isolated and monitored for each device type such as disabled refuge voice intercom, fire telephones and feature handsets/display panels. The disabled toilet systems are connected to I/O cards with up to 8 inputs and 4 outputs offering very flexible options. The exchanges are normally installed in the control or IT room, remote from the feature phone/control panel. Each instrument is connected to an individual channel on the exchange which has numerous advantages including flexibility for installation and maintenance. The powerful CPU within each exchange offers diagnostics and programming via the U3000 utility software using a laptop. Each exchange includes facilities for networking and integration to Genesys™ Physical Security Information Management (PSIM) system software (see Genesys™ brochure for further information).

### Features Include

- Available in cabinet or 4U rack mount
- Available from 16 - 96 channels per cabinet or rack
- Lockable doors for cabinet versions
- Full Digital Duplex Audio
- Fully monitored channels
- Diagnostics and programming U3000 software tools
- Up to 4800 mixed instruments. Feature handsets/control panels (sub or master), disabled refuge intercoms, fire telephones and toilet alarms per network.
- Battery back-up for 24 hours quiescent with 6 hours full use
- Indicators for low voltage and 230v. Card fault indicator for each 16 channel card
- System voltage 27v DC, CPU current 30mA

### Technical specification

- Operating temperatures -5 to +30c
- Rack size 4U high x 500mm deep. Cabinet sizes - Compact 16 channel 400mm high x 300mm wide x 80mm deep, large CB3 cabinet up to 48 channels 550mm high x 550mm wide x 80mm deep
- Cable requirements for each intercom, handset and control panel/feature handset - 4 wire data cable or 2 twisted pair (Firetuf data cable 910 244 or similar).

## Disabled Refuge Intercoms

The addressable remote intercoms include; full duplex digital audio, on board I/O for additional flexibility, manufactured in BS316 stainless steel. They are also available in red or green powder coating, or brushed stainless steel.

### Features

- Duplex digital audio
- Illuminated halo emergency call button (Illuminates confirming the emergency call button has been pressed and audio is available)
- 4 inputs and 2 outputs via built in I/O on audio encoder card
- Available in wall surface mount with or without flush bezel galvanised back box. Includes 20 mm knock outs
- 4 wire including power, digital audio and I/O, low power consumption (quiescent power 11mA)
- Available in red or green powder coating or brushed stainless steel

### Specification

- Power supply - 27v dc powered from exchange, consumption less than 20mA (active)
- Audio and call active illuminated halo stainless steel call button
- Size 275mm high x 180mm wide x 65mm deep



3000/IPB/DRS



3000/IPB/DSP



### Fire Telephone

The addressable remote fire telephone offers full duplex speech and emergency call button. The handset is enclosed in a red powder coated lockable cabinet with fire resistant lexan vision panel, silk screened with disabled logo.

### Specification

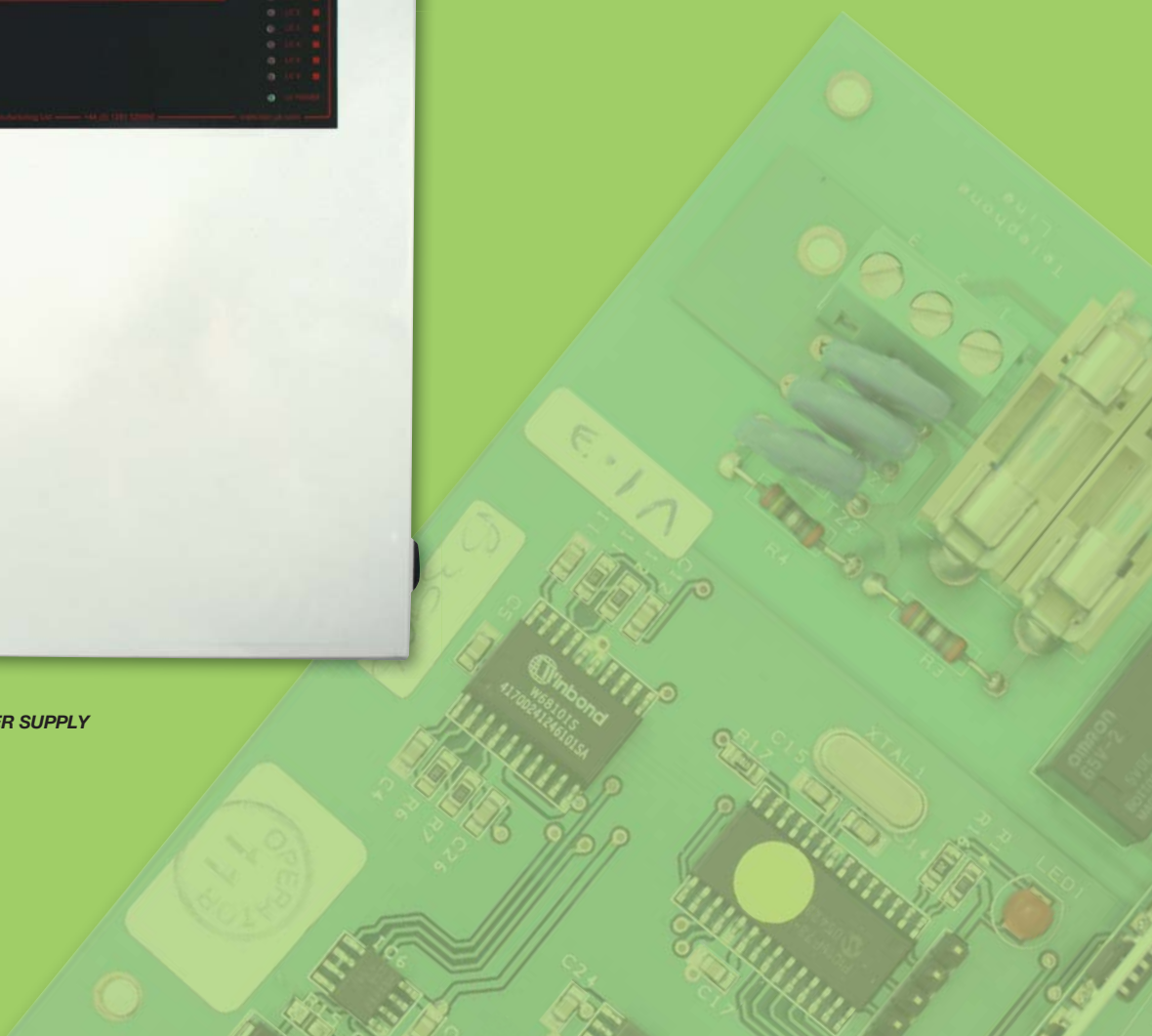
- Full digital duplex
- 27v dc
- Size 320mm high x 200mm wide x 85mm deep
- 4 wire including power, digital audio and I/O, low power consumption (quiescent power 21mA)



3000/CH/DR



3000/CPU/16  
16 CHANNEL POWER SUPPLY



**For full information on the Genesys™ PSIM software, please refer to the Genesys™ brochure.**

**For a full overview of the Ultimate 3000™ products, please refer to main brochure.**

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