



# CarePlus™

## Product Catalogue

# C O N T E N T



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# CENTRAL CONTROL MODULE (CCM)

*The CarePlus™ CCM is a message routing module with built-in workflow associated with nurse call, paging endcoder, alarm management and various forms of messaging protocol inputs and outputs. Messages can be routed to and from any port. A multi-user multilingual web browser interface provides generalised messaging and configuration.*

## Features

- ✦ Ethernet connection
- ✦ Paging output
- ✦ 3x Communication ports (RS232)
- ✦ 1x Communication port (RS485)
- ✦ Mains powered
- ✦ Rack or desk mountable
- ✦ Simple web interface (GUI)
- ✦ Visual configuration file
- ✦ Excel / CSV configuration

## Details

Up to 32 Nurse Call Interface Modules (NIMs) can be connected to a ward based CCM

CCMs can be networked together to share paging, messaging, reporting and alarm handling

Flexible and powerful processing ability



## » Technical Data

CarePlus™ CCM Part Number	: CCM-G-R-STD
Ambient Temperature	: 0 - 50°C (20-90% RH non condensing)
Storage temperature range	: -10 - 60°C (10-95% RH non condensing)
Type of protection	: IP 30
Material	: Metal Rack
Colour	: Blue
Fixing / mounting	: Rack Mount
Dimensions	: L: 455mm W: 205mm D: 45mm (Standard 19in Rack Mount)
Weight	: Approx. 2700g

## » CarePlus™ CCM Standard

CCM-G-DT-STD	: CCM Desktop Style
CCM-G-R-STD	: CCM Rack Style

- Both licensed for:
- CarePlus™ Base Software (room controllers / NIM and call points)
  - BestLite LED Sign Management
  - Date and Time for signs BestLite above
  - Nurse allocation (dynamic - standard) Client software GUI
  - Active Alarm Client
  - TAP interface
  - 3 users / 200 contacts
  - POCSAG interface



The CarePlus™ CCM is FDA, UL 1069 and DIN 0834 certified, and meets AS3811.

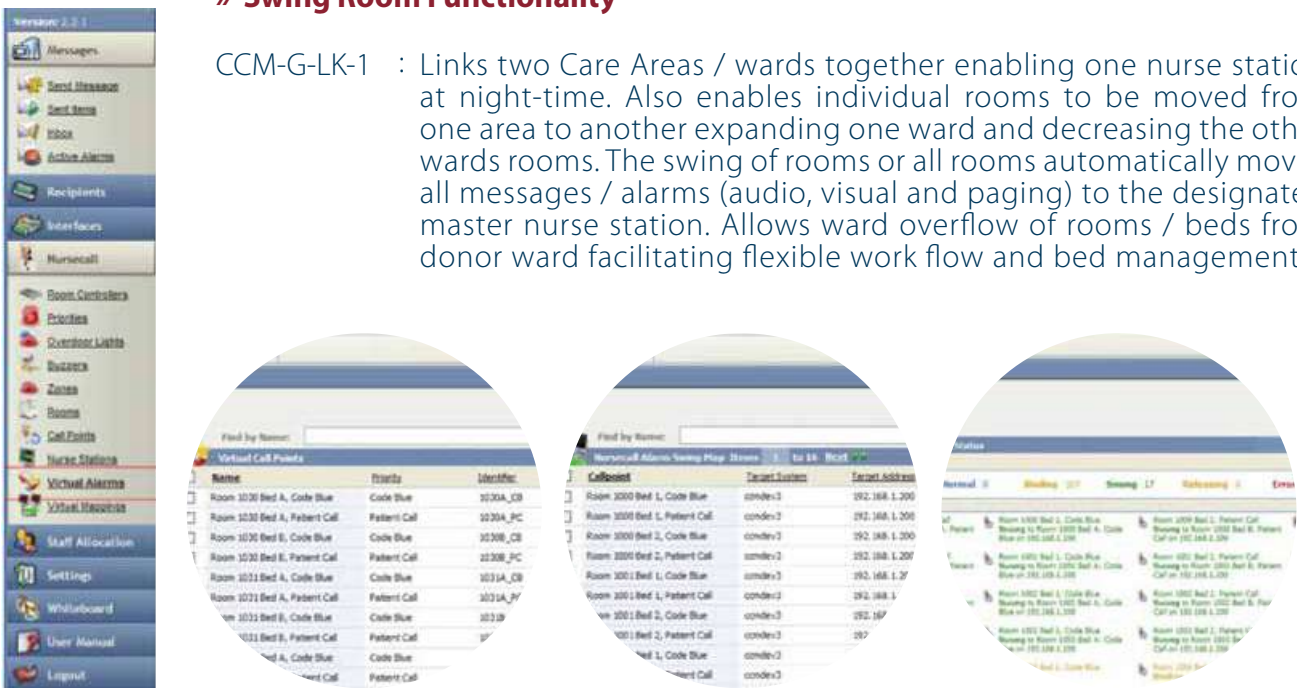


# CarePlus™ CCM

## License Keys / Interfaces

### » Swing Room Functionality

CCM-G-LK-1 : Links two Care Areas / wards together enabling one nurse station at night-time. Also enables individual rooms to be moved from one area to another expanding one ward and decreasing the other wards rooms. The swing of rooms or all rooms automatically moves all messages / alarms (audio, visual and paging) to the designated master nurse station. Allows ward overflow of rooms / beds from donor ward facilitating flexible work flow and bed management.



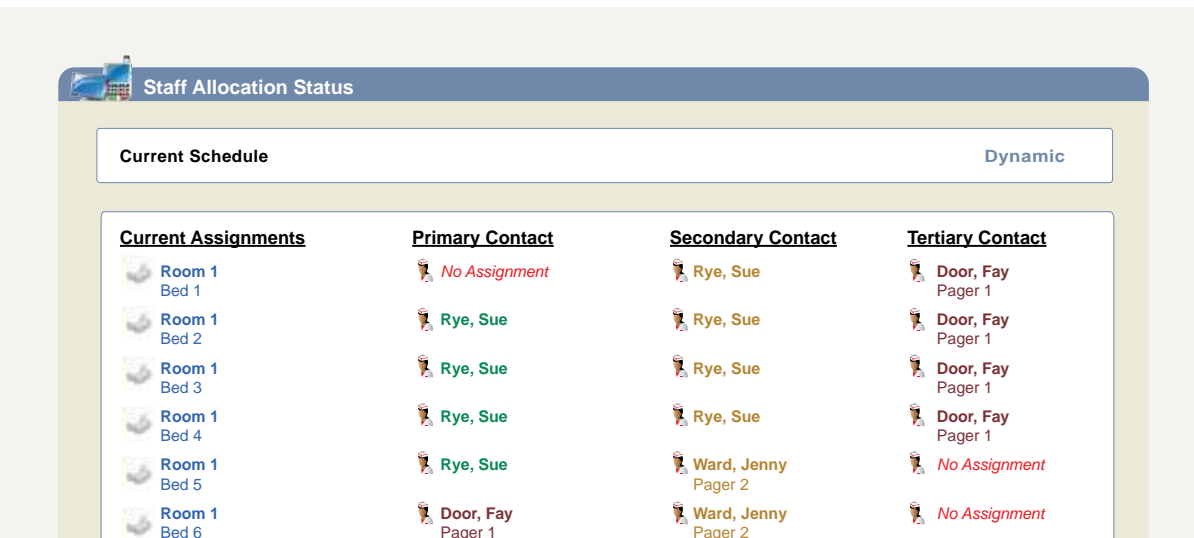
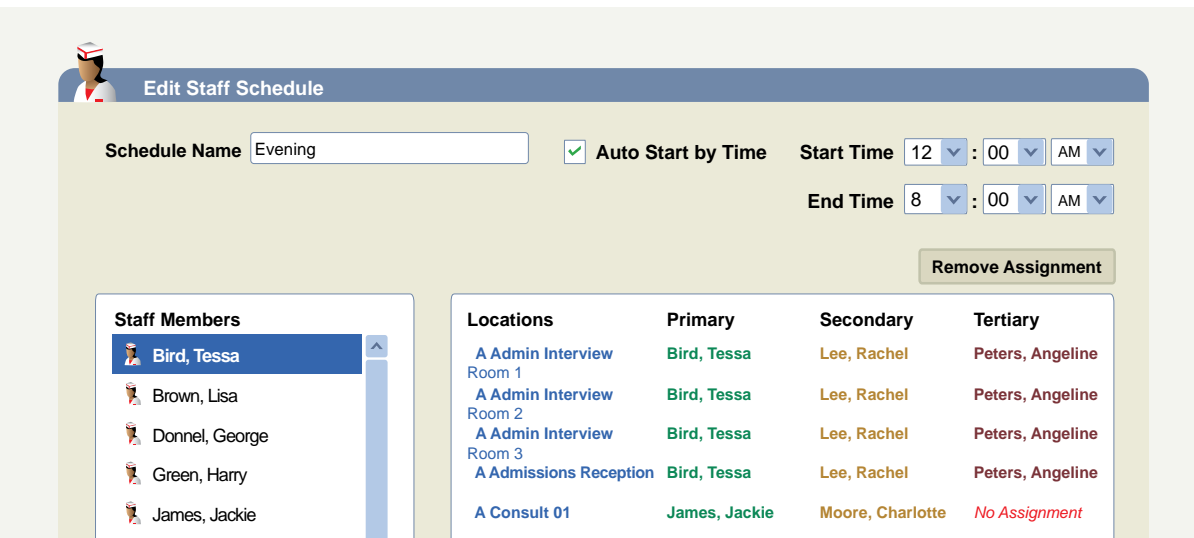
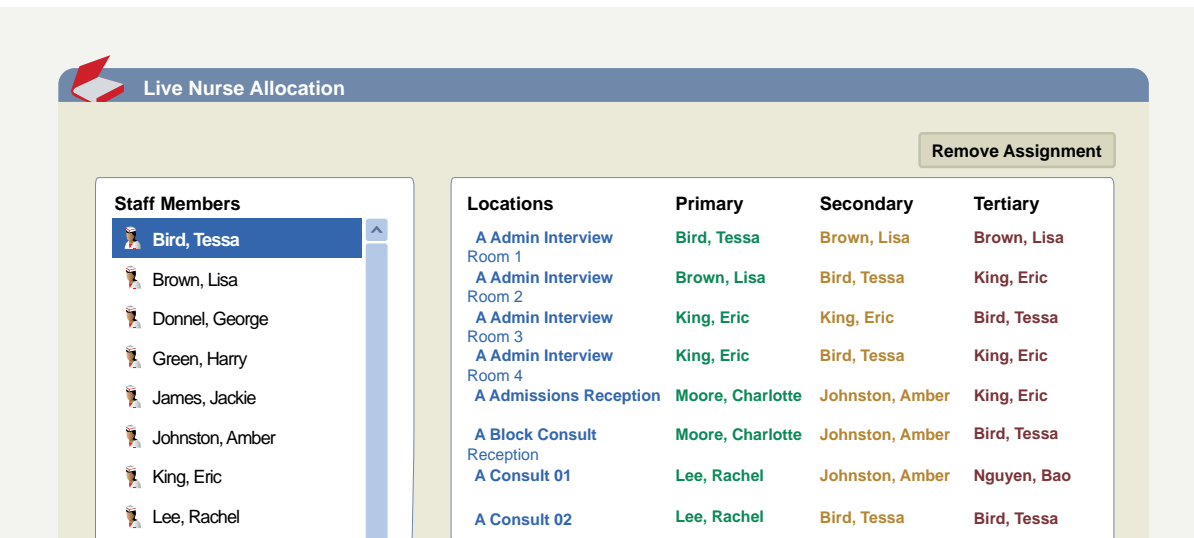
### » White Board Sign for Alarm Display - Per White Board

CCM-G-LK-2 : The white board is an Internet Explorer based visualisation of the active alarms. This can be shown in Graphical or Text mode.



### » Nurse Allocation Defined (Advanced) Interface

CCM-G-LK-3 : Nurse allocation enables rosters to be allocated i.e. day shift, night shift. Enables nurses to be allocated to rooms or beds, devices to be allocated to nurses and automatic escalations. Advanced refers to the ability to allocate individually or via automated rosters and enables dynamic changes to active rosters.





### » Dual Poling Line

(purchase protocol converter additionally - part no. PC-1)

CCM-G-LK-29 : Enables one CCM to have additional NIMs addressed. Enables NIMs 16 to 31.

### » Sedco Backward Compatibility Option

CCM-G-LK-32 : Enables the CCM to directly connect to legacy Sedco 3000 and Sedco 6000 installations.

### » BestLite Interface

CCM-G-LK-33 : Interfaces for the BestLite single and double sided duty station/corridor signs.

### » Austco Backward Compatibility Option

CCM-G-LK-34 : Enables the CCM to directly connect to legacy Austco systems

### » Reporting Software - Including Front End GUI

CCM-LK-4 : Displays actual time to respond to patient bedside / room per priority per ward. Enables benchmarking of ward performance to other wards per priority including graphical comparison.

### » Reporting Software Client License

CCM-LK-5 : Enables CCM to push data to reporting module.

### » Email Interface

CCM-LK-6 : Enables a SMTP gateway connection allowing alarms or messages to be sent to email addresses.

### » Distributed Gateway TIM

CCM-LK-7 : Please contact NiQ Health for more details

### » SMS Interface

CCM-LK-8 : Enables a cell phone or GSM phone gateway connection allowing alarms or messages to be sent to phones as a automated text message.

### » TAP Interface

CCM-LK-9 : Allows data to be transferred in or out of the CarePlus™ CCM. Recipient system must be TAP enabled. See [http://en.wikipedia.org/wiki/Network\\_tap](http://en.wikipedia.org/wiki/Network_tap)

### » ADM Interface

CCM-LK-10 : The ADM is a NIM like device which allows closed open contact like a NIM plus opto isolation plus detection of input state change. This Device also allows a delay in mm:ss before sending the alarm message. It's not an interface.

### » TRM Interface

CCM-LK-11 : Please contact NiQ Health for more details

### » ESPA Interface

CCM-LK-12 : A bidirectional interface to 3rd party products (paging systems) enabling CCM to send and receive messages to these 3rd party products. (A European standard for paging, building management and fire systems)

### » KIRK - Standard with 8 Contacts

CCM-LK-13 : Interface to Kirk digital telephony. Sends text style messages to Cisco handsets via nurse allocation feature, uses rosters and allocation of device to bed or to room with multiple beds. Provides dynamic acceptance or escalation message status in reporting and on white boards to assist with workflow.

### » Additional 8 Contacts for KIRK Interface

CCM-LK-14 : Base licence provides interface to 8 handsets. Buy this licence for another 8 handset licences.

### » Additional 8 Contacts for SPECTRALINK Interface

CCM-LK-15 : Base licence provides interface to 8 handsets. Buy this licence for another 8 handset licences.

### » SpectraLink - Standard with 8 Contacts

CCM-LK-16 : Interface to Spectralink digital telephony. Sends text style messages to Cisco handsets via nurse allocation feature, uses rosters and allocation of device to bed or to room with multiple beds. Provides dynamic acceptance or escalation message status in reporting and on white boards to assist with workflow.

### » Alcatel 4400

CCM-LK-17 : Interface to Alcatel 4400 digital telephony. Sends text style messages to Cisco handsets via nurse allocation feature, uses rosters and allocation of device to bed or to room with multiple beds. Provides dynamic acceptance or escalation message status in reporting and on white boards to assist with workflow.

### » Comp1/Comp

CCM-LK-19 : Allows data to be transferred in or out of the CarePlus™ CCM. Recipient system must be Comp enabled. See [http://en.wikipedia.org/wiki/Network\\_tap](http://en.wikipedia.org/wiki/Network_tap)

### » Scope

CCM-LK-20 : Allows data to be transferred in or out of the CarePlus™ CCM. Recipient system must be Scope enabled. See <http://scope.bitbucket.org/scope/scope-transport-protocol.html>

### » Hyper Terminal Script

CCM-LK-21 : This script was developed so that customers could HyperTerminal (telnet) into CarePlus™ to send messages to recipients.

### » Cisco Call Manager 4.1 and 6.1

CCM-LK-22 : Interface to Cisco Call Manager IP telephony. Sends text style messages to Cisco handsets via nurse allocation feature, uses rosters and allocation of device to bed or to room with multiple beds. Provides dynamic acceptance or escalation message status in reporting and on white boards to assist with workflow.

### » Generic Input Interface

CCM-LK-23 : The Generic in gateway is an extremely flexible method of passing messages from external systems into the CarePlus™ CCM.

Typical applications include sending fire alarm panel alerts through to pagers and Nurse-call events through to wireless handsets. Basically any simple (or not so simple!) incoming text alert event can be accepted by the Generic gateway and passed out to a multitude of devices and destinations as text message.

### » SNPP In/Out Level 1 and 2

CCM-LK-24 : Beepers and pager Simple Network Paging Protocol (SNPP) provides a standard protocol whereby pages can be delivered to individual paging terminals.

### » Software Version Upgrade

CCM-LK-25 : If your customer has not purchased annual software maintenance - code upgrades can be purchased as a one off upgrade.

### » Configuration Management Fee for Non-Basic Systems

CCM-LK-26 : Configuration of CarePlus™ to the architectural drawings, per ward, can be purchased as a service.

### » Additional BetaBrite Gateway

CCM-LK-27 : CarePlus™ Standard comes licenced for 1 BetaBrite® sign gateway on 1 com port - additional gateways can be purchased.

### » Inovonics High Level Interface Integrated into CarePlus™

CCM-LK-30 : This feature is a high level interface enabling messages to be received by CarePlus™ CCM from Inovonics wireless pendants. Use com port interface to Inovonics universal serial receiver.

### » Reminder Messages

CCM-LK-31 : This feature allows staff to set up ongoing regular messages to staff / contacts. Messages can be sent hourly, daily, weekly, monthly or annually.

### » Extra Concurrent User 1 - Max. 9 Concurrent Users licensable

CCM-User : CarePlus™ Lite has 1 concurrent user or seat licence. CarePlus™ standard has 3 licences or 3 seats. CarePlus™ can have up to 9 concurrent users or seats.

### » Extra Contacts (Recipients) x100

CCM-Contacts : CarePlus™ is licenced for 200 contacts / recipients / nurses. If additional nurses are required to be allocated, buy this license.

### » Intelpage IP Interface

CCM-Intel : This interface enables connection to IP transmitters for radio paging

### » 3G CCM Interface

CCM-SMS 3G : This is the interface to a Text generator. The text or SMS generator requires a sim card for your local telephone company and a hardware device. This enables clinicians mobile telephones to receive automated text messages per alarm via contacts and nurse allocation rosters.

### » CarePlus™ Mobile Connect Interface

CCM-MC : Mobile Connect smart phone interface - required for connection to CarePlus™.

**PLEASE NOTE** The description of these interfaces and license keys are subject to change as there are improvements and advancement in software, hardware and technology.

Please read the CarePlus™ Technical Manual or contact NiQ Health with interface specific questions.



# Nursecall Interface Module (NIM)

The NIM interfaces the call points and over door lights with the CarePlus™ Central Control Module (CCM). When multiple NIMs are cascaded via structured cabling, they can be controlled as a single unit allowing any input to link to any output.

## Features

- 16 Inputs (patient stations)
- 24 Outputs (over door lights)
- 24V DC
- Front and Rear Rack mountable
- RS485 Communications (1200, 2400, 4800 and 9600 baud)

## Details

1 Input per RJ45 port, consisting of 24V, Reassurance LED, Call and Cancel contacts

3 Outputs per RJ45 port, each output is common 24V, with 0V switched output

Up to 32 NIMs can be connected together allowing a maximum of 512 inputs and 768 outputs

RS485 over structured cables

Dual Press 3 Press Upgrade

Functionality enables call priority upgrade via 3 press or dual press

Functionality enables nurse presence to auto cancel call

## » Technical Data

NIM Part Number	: NIM
Ambient Temperature	: 0 - 50°C (20-90% RH non condensing)
Storage temperature range	: -10 - 60°C (10-95% RH non condensing)
Type of protection	: IP 31
Material	: Metal Rack
Colour	: Blue
Fixing / mounting	: Rack Mount
Dimensions	: L: 455mm W: 205mm D: 45mm (Standard 19in Rack Mount)
Weight	: Approx. 1600g

## » Colour and Mode

- Steady | Flash | Fast Flash
- Steady | Flash | Fast Flash
- Steady | Flash | Fast Flash
- Steady | Flash | Fast Flash

\*note blue is an option  
- can displace any other colour

## » Function

NIM Name Part Number	NIM Function	Nim Code Variation	Nim Type for Configuration	VDE 0834 Equipment Type
NIM	As described in manual A standard functioning NIM	1.0	NIM	Protected area type A
NIM DP3P	This is an advanced feature set; Providing the Dual Press {aka simultaneous press} (cancel + call) priority upgrade Providing a rapid press 3 times on call button to force a call priority upgrade	1.1	NIIM	Protected area type A
NIM CC	This is an advanced feature set; Providing a constant current to be sent to each call point hence detecting; 1. Defective call point 2. Cut cable 3. Defective electrical connection in connector	1.2	NIM 1.2	Protected area type B

## » Order Code

Product / Order Code	Description
NIM - 1	Nursecall Interface Module Standard
NIM - 2	Nursecall Interface Module 2Press
NIM - 3	Nursecall Interface Module 3 Press
NIM - 4	Nursecall Interface Module Constant Current



The NIM is UL1069 and VDE 0834 certified, and meets AS3811.

# Master Audio Visual Interface System (MAVIS)



*The MAVIS is a 6 input tone generator which generates customised tones and alerts to inform hospital staff of the priority of active nurse calls. The device is connected to multiple speakers so that the tones can be heard in various parts of the facility.*

## Features

- ✦ 6 different tones available
- ✦ Rack mountable 1RU enclosure for simple installation
- ✦ Master volume control
- ✦ Individual volume control for every tone
- ✦ Custom tones can be created
- ✦ Attenuator override output at nurses' station enabling day/night mode
- ✦ Connects via Cat 5 to CarePlus™ CCM
- ✦ Crisp clear tones for alarm events
- ✦ Outputs: 70 or 100 Volt audio output line Or optional 6W 880 output

## » Technical Data

Part Number	: MAVIS
Ambient Temperature	: 0 - 50°C (20-90% RH non condensing)
Storage temperature range	: -10 - 60°C (10-95% RH non condensing)
Type of protection	: IP 31
Material	: Metal Rack
Colour	: Blue
Fixing / mounting	: Rack Mount
Dimensions	: L: 455mm W: 205mm D: 45mm (Standard 19in Rack Mount)
Weight	: Approx. 2800g

## » Order Code

Product / Order Code	Description
MAVIS-1	Master Audio Visual Integration System (MAVIS) 1RU with AS3811 Tones
MAVIS-2	Master Audio Visual Integration System (MAVIS) 1RU with EMG-SA Reverse Tones (Sedco tones)
MAVIS-3	Master Audio Visual Integration System (MAVIS) 1RU with Custom Tones



The MAVIS is UL1069 and VDE 0834 certified, and meets AS3811.



# Entertainment Handset

*Easy-to-use patient Entertainment Handset is designed to meet specific patient engineering staff requirements. Providing significant improvements over the existing handsets with durability and improved features. Including a speaker for listening to TV/radio and a convenient group of controls for a reading light, TV channel and volume selection. The Nurse Call button has Braille identification and two reassurance lights.*

## Features

- Pull out cable alarm
- Cut cable alarm
- Infection control – see “Infection Control”
- No sharp edges
- Minimal ingress potential
- High-impact, plastic case and rubber bumper
- A smooth moulded case designed for single handed operation
- Raised colourful buttons on polyester Lexan overlay for nurse call, patient entertainment, and over bed light.
- Large easily identified nurse call push button
- Braille nurse call button
- Reassurance lights (2) on nurse call button
- Durable moulded plug-in cord with flexible male pins
- TV control button power on/off, volume and channel buttons
- Over bed light control button
- Liquid resistant Mylar speaker for superior voice intelligibility
- Audio frequency specifically designed for an ageing ear
- Customizable logo

## Infection Control

Impregnated with Broad Spectrum technology

Antimicrobial to reduce cross infection, including the following microorganisms:

- 13 Bacterial
- 2 Steplomyctes
- 14 Fungal
- 3 Yeast
- 5 Algae



## » Technical Data Handset

Handset Part Number	: EVH-90
Ambient Temperature	: 0°C - 55°C
Type of protection	: IP 43
Material	: PC + ABS
Infection control	: Broad Spectrum Antimicrobial
Fixing / mounting	: Fix to socket below via 20 pin cable socket (male)
Colour	: White
Dimensions	: L: 180mm W: 75mm D: 30mm
Weight	: 400g with cable

## » Technical Data Handset Socket

Socket Part Number	: EVH-90-2
Ambient Temperature	: 5°C - 55°C
Type of protection	: IP 20
Colour	: White
Fixing / mounting	: Surface mount on wall or medi-duct
Dimensions	: L: 110mm W: 70mm D: 38mm
Weight	: Approx. 80g

## » Order Code

Product / Order Code	Description
EVH-90	Entertainment Handset
EVH-90-1	Customised logo (minimum order 200)
EVH-90-2	Socket - Wall point mount
EVH-90-3	Metal cradle



The CarePlus™ Entertainment Handset is UL1069 and DIN 0834 certified, and meets AS3811.





(Antimicrobial Single & Dual Priority)

# Patient & Staff Station / Call Point

*The CarePlus™ multifunction Call Point is a flush wall mount unit with a large push button for various nurse call stations. There are several colours and labels for different priorities and alarms, and it comes complete with a reassurance light and tone for patient reassurance. The CarePlus™ Call Point has antimicrobial protection / infection control built into the device to reduce risk and spread of infection, bacteria, and superbugs such as MRSA.*

## Features

- Reassurance light (active call light)
- Raised colour coded call and cancel buttons
- Braille on call button
- Optional audio reassurance
- Pendant out alarm
- Various colours and functions
- Selections of one or two call priorities per call point
- Incorporated auto-sensing clean mode
- A chair or bed pendant can also be attached to the call point via the socket point
- Large easily identified call push button with reassurance light

## Antimicrobial properties:

The Lexan material contains built-in, organic antimicrobial protection against serious bacteria. The antimicrobial material achieves a 99% biocidal kill rate for a wide range of bacteria including;

- Methicillin-resistant Staphylococcus aureus (MRSA)
- Salmonella enteritidis
- Escherichia coli (E. coli)
- Listeria monocytogenes

The plastic is impregnated with broad spectrum technologies, reducing cross infection against the following microorganisms;

- 13 Bacterial
- 2 Steplomyctes
- 14 Fungal
- 3 Yeast
- 2 Algae



## Single Priority

### » Example of options available

DAC2-M-NC-G	Nurse Call Green
DAC2-M-NC-R	Nurse Call Red
DAC2-M-EMG-R	Emergency Red
DAC2-M-EMG-B	Emergency Blue
DAC2-M-NP-G	Nurse Presence Green
DAC2-M-SA-Y	Staff Assist Yellow

DAC2-M-NC-R-SA	Nurse Call Red with socket
DAC2-M-NC-G-SA	Nurse Call Green with socket
DAC2-M-EMG-R-SA	Emergency Red with socket
DAC2-M-EMG-B-SA	Emergency Blue with socket
DAC2-M-SA-Y-SA	Staff Assist Yellow with socket





## Dual Priority

### » Example of options available

<b>DAC2-2P-NCG-SAY</b>	Nurse Call Green + Staff Assist Yellow
<b>DAC2-2P-NCR-SAY</b>	Nurse Call Red + Staff Assist Yellow
<b>DAC2-2P-NCO-EMGR</b>	Nurse Call Orange + Emergency Red
<b>DAC2-2P-NCG-EMGR</b>	Nurse Call Green + Emergency Red
<b>DAC2-2P-EMGR-SAY</b>	Emergency Red + Staff Assist Yellow
<b>DAC2-2P-EMGB-SAY</b>	Emergency Blue + Staff Assist Yellow
<b>DAC2-2P-NCG-SAY-SA</b>	Nurse Call Green + Staff Assist Yellow with socket
<b>DAC2-2P-NCG-EMGR-SA</b>	Nurse Call Green + Emergency Red with socket

\*any combination of priorities and/or other colours are available on request

## Austco Compatible Call Points

### » Example of options available

<b>DAC2-A-M-NC-G</b>	Nurse Call Green
<b>DAC2-A-M-NC-R</b>	Nurse Call Red
<b>DAC2-A-M-EMG-R</b>	Emergency Red
<b>DAC2-A-M-EMG-B</b>	Emergency Blue
<b>DAC2-A-M-SA-Y</b>	Staff Assist Yellow
<b>DAC2-A-M-NP-G</b>	Nurse Presence Green
<b>DAC2-A-M-NC-G-SA</b>	Nurse Call Green with socket
<b>DAC2-A-M-NC-R-SA</b>	Nurse Call Red with socket
<b>DAC2-A-M-EMG-R-SA</b>	Emergency Red with socket
<b>DAC2-A-M-EMG-B-SA</b>	Emergency Blue with socket
<b>DAC2-A-M-SA-Y-SA</b>	Staff Assist Yellow with socket

\*only single priority option available







(Dry Area)

# Patient & Staff Station / Call Point

*The CarePlus™ multifunction Call Point is a flush wall mount unit with a large push button for various nurse call stations. There are several colours and labels for different levels and alarms, and it comes complete with a reassurance light and tone for patient reassurance.*

## Features

- Large easily identified nurse call push button
- Braille nurse call button
- Reassurance light (active call light)
- Reassurance tone (active call tone)
- Pull out pendant alarm on socket
- Stereo 4.5mm jack socket universal input adaptor for normally open connection to any 3rd party device/pendant/bed sensor
- 2 priorities per call point
- Cut cable alarm
- No sharp angles
- Call point button can be one priority (i.e. call) and jack socket can be alternate priority (i.e. out of bed or staff assist)
- Raised colourful buttons on polyester Lexan overlay for call and reset
- Simple installation to surface mount or to wall box
- Post commissioning surround to reduce over paint and ingress potential
- Customizable logo



## » Technical Data

Socket Part Number	: DAC-w-xxx-y-zz
Ambient Temperature	: 5°C - 55°C
Type of protection	: IP 20
Material	: PC + ABS
Colour	: White
Fixing / mounting	: Surface mount on wall or medi-duct
Dimensions	: L: 110mm W: 70mm D: 38mm
Weight	: Approx. 80g

## » Pin No. and Name

Pin No.	Name	Description
1	Power	+24V
2	Reassurance	Reassurance LED on call point
3	NC	
4	NC	
5	NC	
6	NC	
7	Input	Patient call
8	Input	Call Cancel

## » Variants *Normally Open (Momentary Closure) Dry Area Call Points*

<b>DAC-M-NC-G</b>	Nurse Call Green	<b>DAC-M-NC-G-SA</b>	Nurse Call Green with socket
<b>DAC-M-NC-R</b>	Nurse Call Red	<b>DAC-M-NC-R-SA</b>	Nurse Call Red with socket
<b>DAC-M-EMG-R</b>	Emergency Red	<b>DAC-M-EMG-R-SA</b>	Emergency Red with socket
<b>DAC-M-EMG-B</b>	Emergency Blue	<b>DAC-M-EMG-B-SA</b>	Emergency Blue with socket
<b>DAC-M-SA-Y</b>	Staff Assist Yellow	<b>DAC-M-SA-Y-SA</b>	Staff Assist Yellow with socket
<b>DAC-M-NP-G</b>	Nurse Presence Green	<b>DAC-M-DB</b>	Dual button call points - any combination
<b>DAC-M-Cancel</b>	Cancel		

\*any combination of priorities and/or other colours are available on request



The CarePlus™ Call Point is UL1069 and DIN 0834 certified, and meets AS3811.



(Wet Area/Protected Area)

# Patient & Staff Station / Call Point

*The CarePlus™ multifunction Call Point is a flush wall mount unit with a large push button for various nurse call stations. This Call Point is impervious to water ingress designed for use in shower and toilet areas. There are several colours and labels for different levels and alarms, and it comes complete with a reassurance light.*

## Features

- Large easily identified nurse call push button
- Cut cable alarm
- Reassurance light (active call light)
- Water proof device (IP65)
- Designed to be used in wet areas
- Includes scotch locks for waterproof wiring connections
- Raised colourful buttons on polyester Lexan overlay for call and reset
- No sharp edges
- Simple installation to surface mount or to wall box
- Ingenious rain hood to keep Lexan dry to inhibit mould on Lexan in constantly wet environment



## Antimicrobial properties:

The Lexan material contains built-in, organic antimicrobial protection against serious bacteria. The antimicrobial material achieves a 99% biocidal kill rate for a wide range of bacteria including;

- Methicillin-resistant Staphylococcus aureus (MRSA)
- Salmonella enteritidis
- Escherichia coli (E. coli)
- Listeria monocytogenes

The plastic is impregnated with broad spectrum technologies, reducing cross infection against the following microorganisms;

- 13 Bacterial
- 2 Steplomyctes
- 14 Fungal
- 3 Yeast
- 2 Algae

## » Wet Area Call Point Latching and Momentary Combo Scotch Locks

WAC-L-NC-G	Nurse Call Green
WAC-L-NC-R	Nurse Call Red
WAC-L-EMG-R	Emergency Red
WAC-L-EMG-B	Emergency Blue
WAC-L-SA-Y	Staff Assist Yellow

## » Wet Area Call Point Momentary Only Scotch Locks

WAC-M-NC-G	Nurse Call Green
WAC-M-NC-R	Nurse Call Red
WAC-M-EMG-R	Emergency Red
WAC-M-EMG-B	Emergency Blue
WAC-M-SA-Y	Staff Assist Yellow

\*any combination of priorities and/or other colours are available on request





UK Style

# Patient & Staff Station / Call Point

*The CarePlus™ multifunction, aluminium call point is a flush wall mount unit with a large push button for various nurse call requirements. There are several colours and labels for different levels and alarms, and it comes complete with a reassurance light and tone for patient reassurance.*

## Features

- Large easily identified nurse call push button
- Braille nurse call button
- Reassurance light (active call light)
- Reassurance tone (active call tone)
- Pull out pendant alarm on socket
- Stereo 4.5mm jack socket universal input adaptor for normally open connection to any 3rd party device/pendant/bed sensor
- 2 priorities per call point
- No sharp angles
- Call point button can be one priority (i.e. call) and jack socket can be alternate priority (i.e. out of bed or staff assist)
- Raised colourful buttons on polyester Autoflex EB7 overlay for call and reset
- Simple installation to wall box
- Customizable logo, membrane colour and push buttons
- Cut cable alarm

## Single Call Point

### » Technical Data

Socket Part Number	: DAC-2764-UK
Ambient Temperature	: -40°C - 60°C
Type of protection	: Please contact NiQ Health
Material	: Aluminium
Colour	: Off White, powder coated or brushed aluminium
Fixing / mounting	: Surface mount on wall
Dimensions	: L: 85mm W: 85mm D: 38mm
Weight	: Approx. 119g

### » CarePlus™ UK Call Points

<b>DAC-M-PC-NP-G</b>	Powder white coated* Nurse Present - Green.
<b>DAC-M-PC-NC-O-SA</b>	Powder white coated* Nurse Call - Orange with Socket Adaptor.
<b>DAC-M-PC-NP-G-EMG-R</b>	Powder white coated* Nurse Present - Green + Emergency - Red.

\*also available in brushed aluminium

## Double Call Point

### » Technical Data

Socket Part Number	: DAC-2765-UK
Ambient Temperature	: -40°C - 60°C
Type of protection	: Please contact NiQ Health
Material	: Aluminium
Colour	: Off White, powder coated or brushed aluminium
Fixing / mounting	: Surface mount on wall
Dimensions	: L: 144.5mm W: 84.5mm D: 38mm
Weight	: Approx. 214g

### » CarePlus™ UK Call Points

<b>DAC-M-PC-NC-O-SA-NP-G</b>	Powder white coated*. Nurse Call - Orange with Socket Adaptor + Nurse Present - Green.
<b>DAC-M-PC-NC-O-SA-NP-G-EMG-R</b>	Powder white coated*. Nurse Call Orange with Socket Adaptor + Nurse Present Green, Emergency Red.

\*also available in brushed aluminium



The CarePlus™ Call Point is UL1069 and DIN 0834 certified, and meets AS3811.





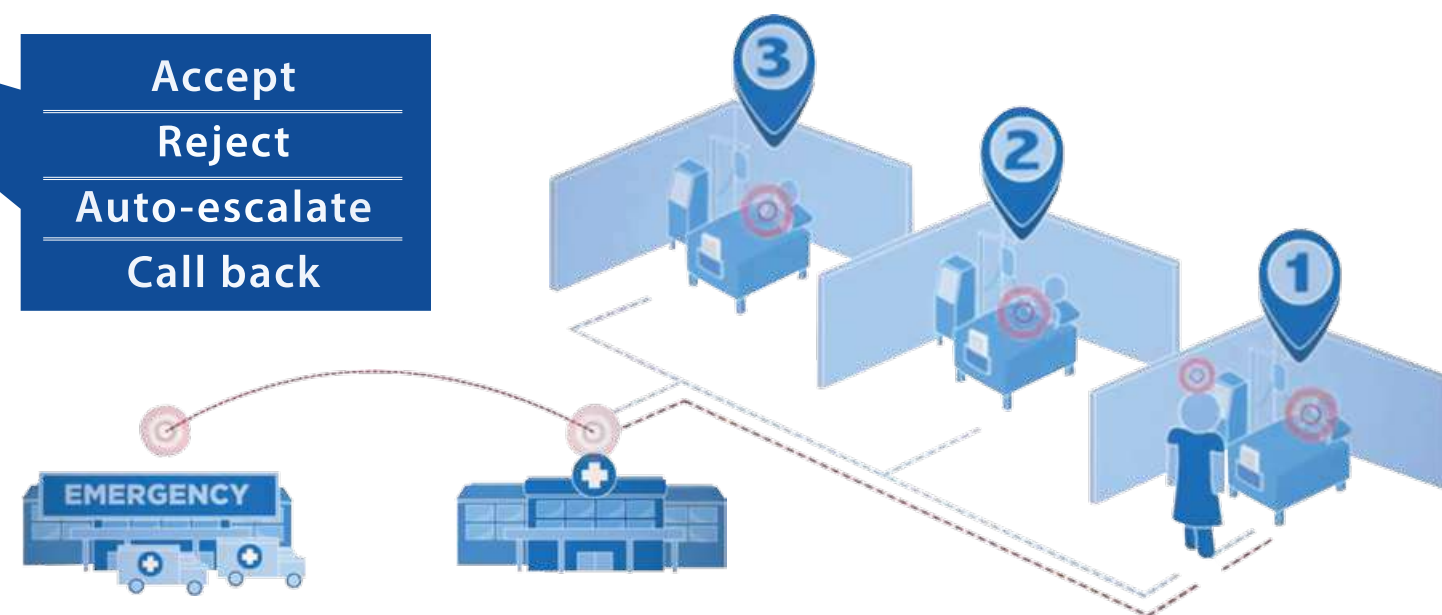
# CarePlus™ Mobile Connect

*CarePlus™ Mobile Connect is an exciting product alerting staff to nurse call alarms through an application available on Smartphones and tablets. CarePlus™ Mobile Connect offers HIPAA approved, secure, fully traceable and encrypted messaging between staff through cellular and Wi-Fi networks.*



**CarePlus™ Mobile Connect improves workflow, efficiency and call bell response times. Combined, these significantly improve patient satisfaction. CarePlus™ Smartphone integration enables the right caregiver to receive the right message, reducing alarm broadcasting to allow a quieter and more peaceful care environment which promotes patient healing and recovery.**

Accept  
Reject  
Auto-escalate  
Call back



**The application allows clinicians to choose how they respond to patient calls, alarms and messages. The four response options available to clinicians are;**

1. Accept – when the clinician wishes to acknowledge and accept a patient call.
2. Reject – if the caregiver is unable to respond they may reject the alarm. This rejection then auto-escalates the call to another caregiver or group of caregivers. These escalation groups are predetermined by the Nurse Manager. The call will repeat circular amongst all caregivers and groups until accepted.
3. Message back – this feature allows text, photo and video messages to be exchanged. Useful when clinicians are providing each other information.
4. Call back – allowing clinicians to call back the patient's bedside phone so that they may communicate with the patient and understand their request.

**Mobile Connect features also include;**

1. Full traceability and record of all messages, message statuses can be checked via the smart device. Message statuses can also be tracked online to determine whether the message is queued, en route, delivered or acknowledged.
2. Separates personal messages from work related ones with a separate and secure inbox within the application.
3. All messages sent via the application are fully secure and encrypted, with HIPAA and HITECH approved messaging. There is also the option to perform a remote device wipe and an automated message removal.
4. The CarePlus™ Mobile Connect application works on Apple®, Android®, Blackberry®, and selected Cisco® smart devices, including tablets. These messages can be sent via a cellular or Wi-Fi network, with push notifications alerting clinicians to these critical messages.
5. Can be integrated to a variety of devices and systems including security, fire alarm, wireless pendants, and bed mats.



# CarePlus™ Whiteboard Software Module

The Whiteboard Module provides an interface in 'text' and 'graphical' format for all active alarms within the system. The interface is provided through a web browser and can be viewed on any hospital network connected PC; like nurse manager desktop PC, nurses' station PC, or any work station PC.

## In Text Mode

The alarms are ordered by priority

The assignment column refers to the staff member currently assigned to the alarm based on the staff allocation schedule

The status column refers to the status of the message generated to staff members based on the staff allocation schedule

## In Graphic Mode

Alarms are displayed based on location and each room container is colour coded according to the alarm priority

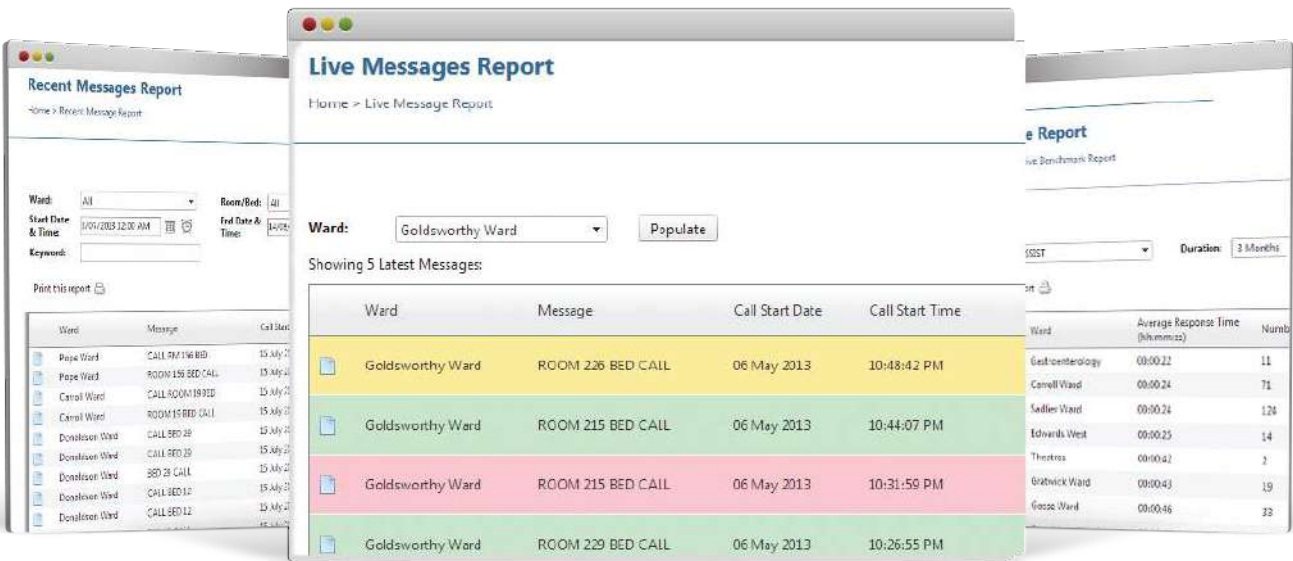
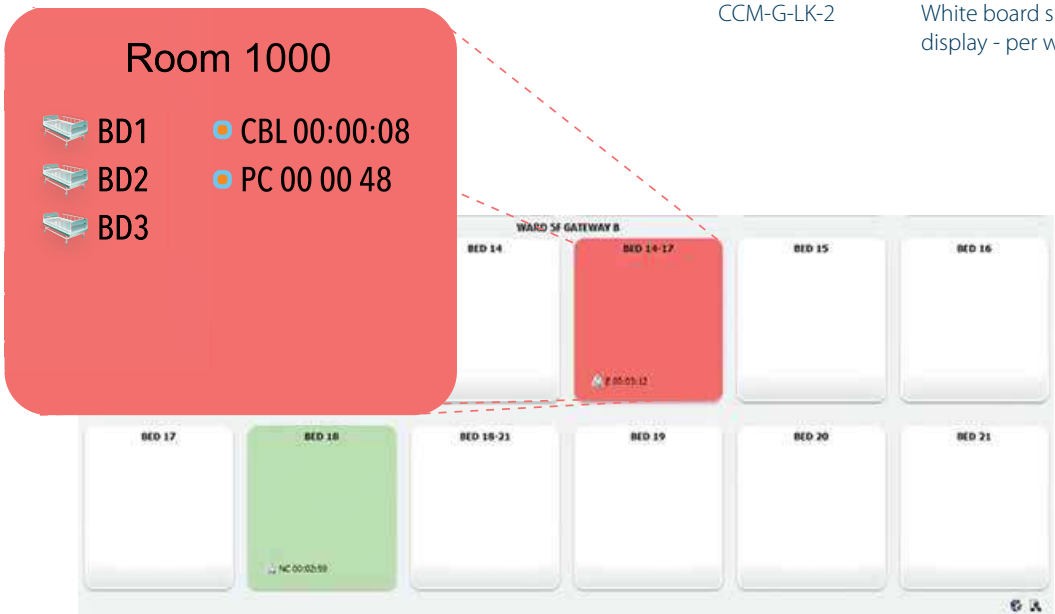
Multiple beds per room

Timers for each bed

## » Order Code

Product / Order Code	Description
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CCM-G-LK-2 White board sign for alarm display - per white board



# CarePlus™ Reporting Module

The CarePlus™ Reporting Module provides detailed tracking and reporting of messages and alarms. Relevant reports can be created by filtering the full details of messages and alarms so that the reports are more relevant to each healthcare facility. These reports can also be accessed remotely from another PC over a web interface.

## » Technical Specifications

Server 03.08  
XP, W7, 32 bit only  
IIS 6 Compatibility  
.NET 2.0  
IE8

## » Order Code

Product / Order Code	Description
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CCM-LK-4 Reporting software - including front end GUI



The Whiteboard Software Module is FDA approved software and Medical Device Data System (MDDS) 510K listed.



# CarePlus™ New Patient Care Experience

*CarePlus™ Nurse Call system provides new state-of-the-art patient care experience by integrating the ClinicAll® infotainment terminal. The advanced functionality of CarePlus™ system smartly prioritizes patient alarms and messages, based on their need and acuity, and delivers them directly to the assigned nurse's mobile device, smartphone or pager. This key feature of CarePlus™ significantly improves the efficiency and workflow of nursing staff through delivery of the right message to the right caregiver.*

*Additional information and entertainment services such as movies, TV, internet, social media, games, menu ordering and medical record systems are delivered directly to patient's bedside. The wide functionality of CarePlus™ and ClinicAll® integration enables clinicians with better care management and improves patient safety and satisfaction.*

### » Order Code

Product / Order Code	Description
PES-1	Patient infotainment terminal with ClinicAll® integration. Please contact NIQ Health for more details.



CarePlus™ Patient Entertainment System meets UL60601-1 and EN60601-1 medical standards.

### CarePlus™

- World most certified nurse call system
- Mobile connectivity and smart communication
- Clinical Code call to skilled nurses and caregivers
- Hotel Services call (Meal ordering, Blanket, New appointment, Discharge)
- Improve patient safety and satisfaction
- Enhance efficiency and workflow of nursing staff

### Communication

- Send patients nurse call / hotel services messages directly to assigned caregiver's mobile device
- Caregiver can call back and speak to patient via the handset
- Better care coordination and efficiency
- Improve patient safety and satisfaction



### Clinic Services

- Clinic functions including:
  - Full integration of HIS / PACS / RIS systems
  - Clinicians access to patient's medical history and records
  - Staff can display and explain diagnostic results to patients
- Medical information and videos
- Hospital information (corporate profile)
- Time savings for clinicians
- Better quality care

### Entertainment

- TV with remote control
- Movies on demand
- Radio
- Improve patient entertainment and recovery

### Patient Services

- Timetable for patient
- Patient surveys
- Patient can adjust bed, light, window blinds and other functions
- Increase patient comfort and promote positive patient experience

### Web Services

- Internet browser
- Web Mail
- Social Media – Facebook, Twitter
- Increase patient satisfaction

**Ease of use:** The integrated patient terminal is incredibly simple to use and comes with the remote admin, removing the need for nurses to administer – enabling better care coordination for patients. The innovative design presents a safe, exible and highly mobile bedside terminal which patients can easily swivel the touchscreen monitor as required. This highly versatile and easy-to-use patient care system meets and exceeds the needs of patients as well as the clinicians.



# Pull Cord Call Point

*The Pull Cord Call Point can be attached to either the wall or ceiling and is activated by pulling the length-adjustable cord. There is a large, bright light which ensures that the patient is reassured that the call has been activated. These call points are often used in wet areas of a healthcare facility, the cord is produced in mould-resistant nylon or antibacterial plastic for this purpose.*

## Features

- Ceiling or wall mountable
- Large easily identified reassurance light
- Light and positive switch action
- 10kg break strain for patient safety
- Adjustable cord length
- Mould resistant nylon or antibacterial plastic cord

## » Order Code

Product / Order Code	Description
PC-M-R	Pull cord, red tag

# Dementia Control System (DCS)

*The CarePlus™ DCS is a simple to operate, non-invasive monitoring device designed to assist staff caring for dementia sufferers. It gives staff members warning when the dementia resident requires assistance for out of bed, out of room and bathroom overtime conditions. The CarePlus™ DCS is a room based standalone system that can function with a conventional bed exit sensor, floor mat or motion detector installed under the bed.*

## Features

- Simple for staff to set up and operate
- Detects and notifies for out of bed, out of room and bathroom overtime alarms
- Can be set for any or all of the three conditions
- Reliable, does not need expensive bed exit sensors to function

## Details

Simple three button controller mounted outside the resident's room

Controller button shows green when the controller is armed and red when in alarm

Able to control bathroom lights automatically

One simple "check resident" alarm message to paging or displays when resident requires assistance





# Disabled Toilet Kit

## Features

- Red dome light engraved "Disabled Toilet Assistance Required"
- Buzzer built into dome light
- 24V power supply
- Wet area call point "Press for Assistance" included
- Wiring instructions for over counter sales included

## » Order Code

Product / Order Code	Description
DTK -WM	Disabled Toilet Kit (Wall mount LED - vertical text)
DTK -CM	Disabled Toilet Kit (Ceiling mount LED - horizontal text)

# 24V Battery Backed Power Supply

*The CarePlus™ power supply is a hospital grade battery backed power supply to ensure the nurse call system continues to function when mains power is lost.*

## Features

- Output voltage is 27.6 volts DC (no load), 300watt
- Rack mountable (2RU)
- Incorporates a charging circuit for 7amp hour lead gel sealed batteries
- Alarm outputs for mains failure and battery status
- 240 volt AC input voltage

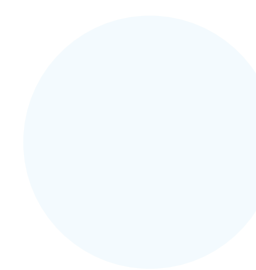
## Details

Provides clean and stable (regulated) power for reliable nurse call system operation

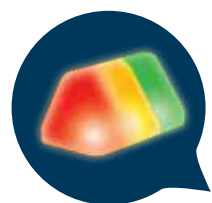
Requires 2RU battery tray or UPS

## » Order Code

Product / Order Code	Description
PSL	Power supply (without batteries)







# Over Door / Corridor Light

The LED light is a multi-colour over door LED priority indicator designed to give a visual indication of calls and priority levels. These are typically installed in corridors and above doors to indicate location of active call. LED lamps have three modes; steady, flash, and fast flash to further differentiate priority.

## » Technical Data

Over Door Light Part Number	: LDL
Ambient Temperature	: 5°C - 55°C
Type of protection	: IP 33 (when mounted with cover installed)
Material	: PC + ABS
Colour	: White
Fixing / mounting	: Surface mount on wall or ceiling
Dimensions	: L: 115mm W: 72mm D: 62mm
Weight	: Approx. 100g
LED light standard colours	: Red, Orange and Green
LED colour options	: Fully customisable

## » Colour and Mode

- Steady | Flash | Fast Flash
- Steady | Flash | Fast Flash
- Steady | Flash | Fast Flash
- Steady | Flash | Fast Flash

\*note blue is an option  
- can displace any other colour

## » Pin No. and Name

Pin No.	Name	Description
1	LED 1 Red	Anode +24V
2	LED 1 Red	Cathode
3	LED 2 Green	Anode +24V
4	LED 2 Orange	Cathode
5	LED 3 Green	Anode +24V
6	LED 3 Green	Cathode
7	NC	NC
8	NC	NC

## » Order Code

Product / Order Code	Description
LDL	LED Dome Light



The CarePlus™ Over Door Light is UL1069 and DIN 0834 certified, and meets AS3811.



# TV Interface

The CarePlus™ TV Interface is a straight forward and cost effective module which provides a reliable interface between any brand of TVs to work with a combination of nurse call systems and patient entertainment handsets in hospitals and aged care facilities. With just one simple programming, the smart learner tool enables the TV IR interface to work with any make or brand of television sets.

## Features

- Simple connection with TV Audio and IR output
- Works with a variety of TV models and brands
- Easy installation with no hardware changes, rewiring or interface hassles
- RJ45 connection to nurse call system
- Input commands from Patient Entertainment Handset for nurse call and TV control

## » Order Code

Product / Order Code	Description
IRB	IR TV Board
IRS-SR	Smart learn remote program tool (any TV brand)

# Pendants



» Order Code

Product / Order Code	Description
TBP	Two button silicon Pendant - call and light
SBP	Single button silicon pendant - call only
SBP-P	Single button plastic pendent - call only
TBP/SBP-3	Metal cradle for single and two button pendants

# Duty Station & Corridor Signs



» Order Code

Product / Order Code	Description
BB	BetaBrite® LED sign (black)
BL-SS	BestLite® LED sign, single sided (white, with speaker)
BL-DS	BestLite® LED sign, double sided (white, with speaker)

# IP - Pager Transmitters

» Order Code

Product / Order Code	Description	
FS IP5 R	IP interface 5 watt	IP 5 watt transmitter + antenna VHF/UHF
FS IP25 HP ST	IP interface 25 watt	IP 25 watt transmitter + antenna VHF/UHF
FS IP50 HP ST	IP interface 50 watt	IP 50 watt transmitter + antenna VHF/UHF
FS IP100 HP ST	IP interface 100 watt	IP 100 watt transmitter + antenna VHF/UHF

# Protocol Converter

» Order Code

Product / Order Code	Description
PC-1	Protocol Converter 232 to 485 Opto isolation



# How does CarePlus™ solve major healthcare issues today?

CarePlus™ improves alarm management procedures by ensuring that the correct/assigned caregiver is notified of alarms, helping to decrease alarm broadcasting. This assists in reducing the likelihood of alarm fatigue in clinicians.

This reduced alarm broadcasting also helps to increase patient satisfaction. The quieter care environment improves patient recovery and healing.







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