

## BCM<sup>®</sup> Internet connection manager system

BCM<sup>®</sup> is a **internet connections manager** available in two different operating modes: Light Version and AC Portal.

Using the **Light Version** mode you can easily take control of your WAN connections as well as efficiently managing your LAN traffic and you can decide which data service to use.

The **AC Portal version** is what makes this product unique amongst those currently available on the market. In just 3 easy steps BCM<sup>®</sup> allows the customer to create User Accounts, to select the connections available for each account, to set possible limits to time or maximum dedicated traffic, to limit access to email display only, to surf the web, to navigate exclusively text linked or to enable or limit use to download information and stream media.

BCM<sup>®</sup> uses graphics to display each time a user accesses the internet on the gateway under examination, providing for automatic disconnection from too expensive carriers when there are no users connected. Moreover, it is possible to set up Super User Accounts e.g. for Owners, which have no password and no limitation (verification occurs through the MAC address), making it possible to use any connection they wish.

## BCM<sup>®</sup> functions

### WAN manager

BCM<sup>®</sup> can simply be switched between different WAN internet connections in Light Version mode, and automatically manage internet gateways when AC Portal mode is switched on, providing services for each user according to set quotes and automatically disconnecting unused connections.

### Quality of service

BCM<sup>®</sup> can prioritize some users over others, according to assigned account quotes. It can define Super Users who require no password and have no rules access to officers or special guests recognized by their MAC address.

### Monitoring

A bandwidth log monitor for each user (hardware user included) can be displayed for every gateway. Remaining time allowed or data quote can be checked. A resumé document can be printed for each new account containing information and instructions. Specific content for users can also be added.

### Spend control

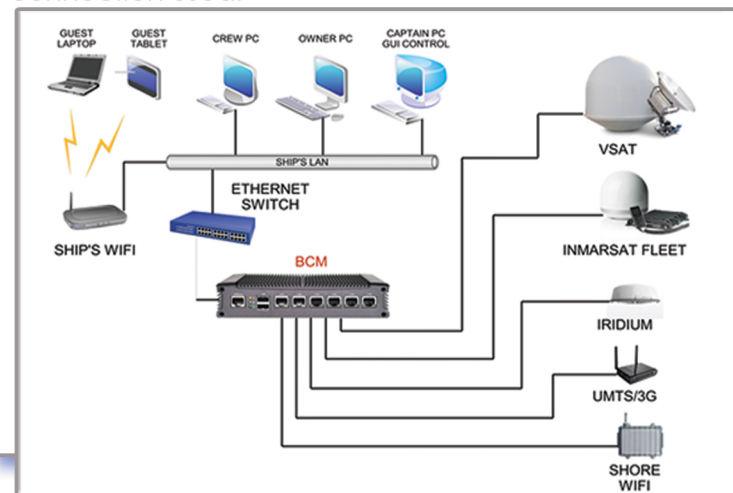
To prevent excessive airtime bills, BCM<sup>®</sup> has an integrated timeout connection system that will disconnect from the internet provider when no users are connected or when connected users do not work for a specified time.

### Hardware accounts

A special account for hardware devices can also be set for each hardware, with allowed gateways. This means that a television set can use pay connections to update its firmware, for example.

### Dynamic intelligent firewall

BCM<sup>®</sup> integrates an intelligent firewall that can block some contents by analyzing data type. In these cases, permission to view streaming video can be allowed or denied for each user depending on the connection used.



### Customization

BCM<sup>®</sup> can be customized with graphics, adding logos, text and anything else required for user login. Special connections can be configured to remotely access certain networks for assistance and maintenance. Personalized scripts can be developed according to specific needs.

### Industrial hardware

Industrial fanless hardware with read only operating system makes BCM<sup>®</sup> one of the most reliable and strongest devices currently on the market.

**Users**

User Types: Standard (U) Enabled Standard (U) Disabled No Pass. (NP) Enabled No Pass. (NP) Disabled Super User (SU) Enabled Super User (SU) Disabled

Profile Types: No Limits No Stream Only Text Personal 1 Personal 2

	User	UserName	Password	Services	Connections	Group	Band Rate	Time Limit	Quota	Info	Enable/disable	Modify	Delete
SU	daniel vicon	dvicon	encrypted	all	vsat 3g umts adsl livorno gw4 antenna contr	No Group	No Limit	No Limit	No Limit	<a href="#">i</a>	<a href="#">+</a>	<a href="#">-</a>	<a href="#">x</a>
NP	james pages	jpages	encrypted	all	vsat	No Group	No Limit	No Limit	0% used Used 0B of 1GB	<a href="#">i</a>	<a href="#">+</a>	<a href="#">-</a>	<a href="#">x</a>
U	lucius tonus	ltonus	encrypted	all	vsat	No Group	Low	0% used Used 0h,0m of 10h,0m	0% used Used 0B of 10MB	<a href="#">i</a>	<a href="#">+</a>	<a href="#">-</a>	<a href="#">x</a>
NP	maris lefty	mlefty	encrypted	all	vsat 3g umts	crew	Medium	No Limit	No Limit	<a href="#">i</a>	<a href="#">+</a>	<a href="#">-</a>	<a href="#">x</a>
U	virginia carlos	vcarlos	encrypted	all	vsat 3g umts	crew	Medium	No Limit	No Limit	<a href="#">i</a>	<a href="#">+</a>	<a href="#">-</a>	<a href="#">x</a>

**Hardwares**

Profile Types: No Limits No Stream Only Text Personal 1

	Hardware Name	Connection Gateway	Group	Band Rate	IP address	mac address	Info disable
	Bridge	vsat	No Group	No Limit	10.0.0.55	f4:6d:22:a3:04:ee	<a href="#">i</a>
	crew tv	vsat	Tv	No Limit	10.0.0.47	f4:6d:04:ff:11:aa	<a href="#">i</a>
	main saloon tv	vsat	Tv	No Limit	10.0.0.45	f4:6d:04:fa:04:da	<a href="#">i</a>

## Comparative table between BCM and our competitors

	BCM	Competitor
User Group Management	<span style="color: green;">●</span>	<span style="color: red;">●</span>
Users Groups Management	<span style="color: green;">●</span>	<span style="color: red;">●</span>
Ship Owner and Officers special	<span style="color: green;">●</span>	<span style="color: red;">●</span>
Account without login access	<span style="color: green;">●</span>	<span style="color: green;">●</span>
User QOS Management	<span style="color: green;">●</span>	<span style="color: green;">●</span>
User Time Quota	<span style="color: green;">●</span>	<span style="color: red;">●</span>
User Download Data quote	<span style="color: green;">●</span>	<span style="color: red;">●</span>
User dedicated Gateway	<span style="color: green;">●</span>	<span style="color: red;">●</span>
Connection Graph for each User	<span style="color: green;">●</span>	<span style="color: green;">●</span>
Dynamic Intelligent Firewall	<span style="color: green;">●</span>	<span style="color: red;">●</span>
Navigation Data Filter	<span style="color: green;">●</span>	<span style="color: red;">●</span>
Hardware Dedicated Account	<span style="color: green;">●</span>	<span style="color: red;">●</span>
Browser Administration	<span style="color: green;">●</span>	<span style="color: red;">●</span>
DHCP Server	<span style="color: green;">●</span>	<span style="color: green;">●</span>
VPN Access for remote maintenance	<span style="color: green;">●</span>	<span style="color: green;">●</span>
Custom Graphics User access page	<span style="color: green;">●</span>	<span style="color: red;">●</span>
Printable Resumés	<span style="color: green;">●</span>	<span style="color: red;">●</span>