

 <b>PacketBand BRI/PRI Released software features</b> REF: A3012-A3015 Last update: 25-Jan-10								
Software Version	Date Released	6.70	6.77	7.00	7.13	8.15.0	8.25	
Type	Feature	29-Nov-06	24-Jan-07	03-Aug-07	26-Feb-08	11-Mar-09	08-Dec-10	Dependencies? Feature details
Routing	Conversion profile enhancements	✓	✓	✓	✓	✓	✓	YES DBMGR 7.33 or above required. Added updated Call Conversion functionality, enabling "%" symbol for pause/removal
Flash	Configuration now stored in Flash	✓	✓	✓	✓	✓	✓	YES DBMGR 7.33 or above required. Configuration data now stored in Flash rather than NVRAM for improved reliability.
default	Default Full Duplex	✓	✓	✓	✓	✓	✓	YES DBMGR 7.33 or above required. Units now default to 100meg Full Duplex with Autonegotiate OFF.
Routing	IPMT Table added	✓	✓	✓	✓	✓	✓	YES DBMGR 7.33 or above required. This enables the ability to add an IPMT entry when using Dynamic logical links (see
IP	Add Broadcast Storm Protection functionality	✓	✓	✓	✓	✓	✓	YES DBMGR 7.33 or above required. The Broadcast Storm Protection feature is used by PacketBand to protect against loops in poorly configured networks and attacks on a PacketBand system from outside sources.
SIP	Add SIP Server functionality	✓	✓	✓	✓	✓	✓	YES DBMGR 7.33 or above required. PacketBands use SIP (Session Initiation Protocol) signalling to communicate with each other. PacketBand units can be configured to use a SIP server and also to support NAT Traversal.
Routing	Add Dynamic Logical Ling Functionality.	✓	✓	✓	✓	✓	✓	YES DBMGR 7.33 or above required. PacketBand can be configured to use a specific Logical Link to pass ISDN calls to other PacketBand units in a system, or the user can set up one or more of the Logical Links to be dynamic. A dynamic Logical Link will be selected by the PacketBand when a call is made into the unit. The call will reach the correct PacketBand unit as long as an IPMT destination is used in the routing profile.
SIP	Multiple SIP stack alterations	✓	✓	✓	✓	✓	✓	NO Improvements to call connection rate through SIP
GUI	Add Jitter Buffer graphing facility.	✓	✓	✓	✓	✓	✓	YES DBMGR 7.33 or above required. Jitter Capture is used to capture data on the amount of Jitter or PDV (Packet Delay Variation) present on a network. Please consult the manual before use.
GUI	Debug facility at Boot up.	✓	✓	✓	✓	✓	✓	YES DBMGR 7.33 or above required. Add facility to enable Debug information at time of boot up time.
SIP	Extra SIP Debug	✓	✓	✓	✓	✓	✓	YES DBMGR 7.33 or above required. Add debug to show number of SIP calls per logical link, and SIP calls at the stack level.
ISDN Signalling	ISDN signalling improvements		✓	✓	✓	✓	✓	NO Enhanced call setup to ensure B channel is available when call connect message is issued.
GUI	Jitter buffer stats		✓	✓	✓	✓	✓	YES DBMGR 7.35 or above required. Improvements to Jitter buffer stats display.
Tone	Tone across SIP		✓	✓	✓	✓	✓	YES DBMGR 7.35 or above required. Enables dial tone to running across PatapSCO SIP server
ISDN Signalling	Improved layer1/layer2 interface		✓	✓	✓	✓	✓	YES DBMGR 7.35 or above required. Layer 1 & 2 signalling improved
ISDN Signalling	Overlap Wait Enable function added to pause call forwarding (per BRI port)			✓	✓	✓	✓	YES DBMGR 7.35 or above required. This function allows Liberator to wait for a set amount of time before calls are forwarded on to their routing destinations. A user can configure a pause of up to 9 seconds for numbers to be dialled before being routed.
Routing	Rerouting for Unanswered Calls (per Routing Profile)			✓	✓	✓	✓	YES DBMGR 7.35 or above required. This function allows Liberator to wait for a set amount of time before calls are forwarded on to their routing destinations. A user can configure a pause of up to 9 seconds for numbers to be dialled before being routed.
Multicast	Multicast support (PB-TDM)			✓	✓	✓	✓	YES DBMGR 7.35 or above required. This means the PacketBand (TDM) to be set to operate as a half-duplex Multicast system, this enables the use of a "multicast" clock source. Please see the manual for more details.
ISDN Signalling	D channel encryption			✓	✓	✓	✓	YES DBMGR 7.35 or above required. This enables the PacketBand to encrypt the D channel across ISDN & IP.
Multicast	Multicast IGMP packets, and support VLAN tag stripping			✓	✓	✓	✓	YES DBMGR 7.35 or above required. Multicast IGMP packets, and support VLAN tag stripping
IP	DHCP support			✓	✓	✓	✓	YES DBMGR 7.35 or above required. DHCP support and on-the-fly IP Address changes
Managment	Remote management Enable/Disable option			✓	✓	✓	✓	YES DBMGR 7.35 or above required. PacketBand now has the ability to Enable or disable the use of remote management.
Interfaces	DHCP operational			✓	✓	✓	✓	YES DBMGR 7.35 or above required. Dynamic IP address assignment now available
Default	Default IP Address (192.168.0.1)			✓	✓	✓	✓	YES DBMGR 7.37 or above required. Set Default IP Address to 192.168.0.1 & default Subnet Mask to 255.255.0.0. If configuration is erased PacketBand will automatically load the default IP address.
Multicast	Multicast support (PB-TDM)			✓	✓	✓	✓	YES DBMGR 8.01 or above required. PacketBand can be set to operate as a half-duplex Multicast system.
Multicast	Alternate Multicast source			✓	✓	✓	✓	YES DBMGR 8.01 or above required. PacketBand can be set to operate as a half-duplex Multicast system. This enables the unit to access a "multicast group" for extra clocking resilience. For more details please contact <a href="mailto:support@patapSCO.co.uk">support@patapSCO.co.uk</a>
Software	Operating system upgrade			✓	✓	✓	✓	NO Contact PatapSCO if upgrading from version 6.xx software to 7.xx
Routing	Change of cause code "No Route to Destination" to No Circuit/Channel Available"			✓	✓	✓	✓	NO Altered cause code "No Route to Destination" to No Circuit/Channel Available" when all routes are unavailable
Vlan	Management Vlan tagging enabled			✓	✓	✓	✓	YES DBMGR 8.01 or above required. This feature allows the user to route all management traffic to & from the PacketBand via a user specified Vlan.
Security	secure management function			✓	✓	✓	✓	YES DBMGR 8.01 or above required. Security feature allows encryption of management traffic and "call signaling" messages. Each are secured by a 128 bit key.
SPID	DDI to SPID Alteration					✓	✓	YES DBMGR 8.21 or above required. Improvemnts made to SPID operation an US interfaces.
Managment	Improved management					✓	✓	NO Improved IP management reliability.
Internal	IP Connection					✓	✓	NO Improvements to the interworkings of the IP side of the device. Optimizing call connection speeds.
Internal	Operating system upgrade					✓	✓	NO Improvements to operating system stability