

Stand-alone BRI and/or PRI "networks" for demonstration and testing or across-site communications

Exhibiting or demonstrating ISDN products can be challenging as the location may not have ISDN services installed, or what is installed is required by existing applications.

Equally, testing of ISDN products at a fixed location may be difficult just from a cost perspective – installing ISDN may not be the issue but many ISDN calls to test hardware can be very expensive.

Multiple ISDN devices may require interconnection across a large site or campus and providing access via the ISDN network or PABX can be expensive and difficult to achieve in hardware.

Customers can use Liberator to:

- Demonstrate ISDN equipment at customer-sites
- Demonstrate at exhibitions
- Test ISDN equipment prior to shipping
- Devices/applications have ISDN interfaces and need to communicate across a site or campus

Application descriptions

Models within Patapsco's Liberator range can be used to provide local switching between devices and imitate the features and connectivity of the ISDN network

How Liberator can help (1) – Network Simulation

Whilst all Liberator models may be used as a network simulator because of their cross-connection capabilities, models are available specifically for this purpose.

Liberator can be ordered with 8 or 16 BRI ports and no PRI ports, 1 PRI or two PRI. A version with just two PRIs is also available. In this configuration any DTE devices may call any other, using the Liberator as the "network".

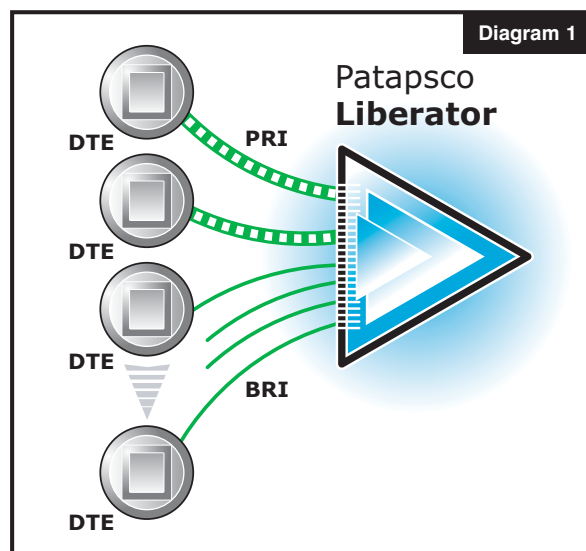
Liberator is effectively a "network in a box" and this application is useful for companies that wish to demonstrate or test their equipment without the expense of a "real" network.

How Liberator can help (2) – Mixed Applications

Whilst this note is one of a series that considers different applications separately, Liberator places no restriction on the number of applications that can be supported simultaneously.

Overall, the benefits of Liberator for multiple ISDN installations are:

- Improved ISDN usage by giving all devices access to a single "pool" of circuits, allowing the overall number of circuits to be reduced.
- Increase in service levels to/from devices by maintaining the number of network ports yet increasing the number of connections from the devices to the Liberator.
- Reduced installation costs



- Reduced rental costs by using capacity more efficiently
- Simplify billing and circuit tracking.
- Fast availability of extra BRIs for expansion at virtually no cost
- Less space, fewer "boxes" and simplified cabling.
- Fast, simple installation with minimal user-impact.
- Simple to configure and re-configure (unlike most PABXs!)

Summary

The Liberator is a range of professional products for carriers and corporates. Priced to help reduce ISDN installation costs, reduce rental costs and improve flexibility and expansion, it requires no system changes or user disruption, keeps data applications separate from voice and is easy to install and configure.

Other application notes in this series cover:

AN-006(A)	PRI to BRI Conversion
AN-006(B)	Using existing PRI's to provide BRI ports
AN-006(C)	Sharing a single PRI between PRI and BRI devices
AN-006(D)	ISDN "Time-of-Day" Reconfiguration
AN-006(E)	Low-cost ISDN backup by sharing ISDN
AN-006(F)	Improve dial-in and dial-out access and user/application performance without increasing network costs
AN-006(G)	Pre-allocate network resources applications have access to
AN-006(H)	Stand-alone BRI and/or PRI "networks" for demonstration and testing or across-site communications
AN-006(I)	Low-cost Carrier provision of PRI, Fractional E1 and BRI
AN-006(J)	Least Cost routing to a second carrier