

RadioLAN Encryption Application Note

RadioLAN products with optional encryption provide the user a fully encrypted data transmission between the RadioLAN devices.

Enabling Encryption on the RadioLAN network

To switch a RadioLAN network over to encryption mode requires two steps on each device. Step 1 is to enter the encryption-string. Step 2 is to select encryption mode of operation.

How-To: CardLINK Products

Using RadioNet Manager

- Choose the Info panel, press the MODIFY button.
- Press the Encryption Key button, and then enter the encryption-string into the window that pops up. The encryption-string will not be visible for security and you must enter it twice to verify it is correct.
- Select the Encryption checkbox is the last step and turns on encryption and decryption of all data in the wireless network.

Note: The RadioLAN header information is not encrypted. This allows RadioNet Manager to display the stations signal levels, but does not allow the computer to send data. If you are using a BackboneLINK access point you will not be able to select Access Point until it has been put into encryption mode.

How-To: BackboneLINK / DockLINK

To setup a DockLINK for encryption, you must have a management session established with a web browser or use the VT100 control port.

- From the BackboneLINK or DockLINK Manager window
- Select Configuration Settings
- Select Encryption
- Select Encryption settings
- Enter the encryption-string (twice)
- Select the Encryption Mode checkbox

How-To: Campus BridgeLINK

The Campus BridgeLINK provides a link between buildings. Assuming this is the only computer network link ***customers are cautioned to enable encryption on the remote CBL first***, then enable encryption on the near CBL. Failure to do this can stop your CBL communication, and require that you go to the other side of the link before you can reach the remote CBL to change it back. Changing a CBL system to enable encryption will cause a short outage (approximately 1-minute).

- Step 1. Have a diagram showing the CBL network and identify which is the near and which is the remote.
- Step 2. Use your browser to connect to the remote CBL
- Step 3. Use the Antenna Aiming screen to verify the link is correctly set.
- Step 4. Select Configuration Settings
Select Encryption
Select Encryption settings and enter the encryption-string (twice)
Select the Encryption Mode checkbox
- Step 5. Use your browser to connect to the local CBL
Select Configuration Settings
Select Encryption
Select Encryption settings and enter the encryption-string (twice)
Select the Encryption Mode checkbox
- Step 6. Using the Antenna Aiming screen; verify the link is correctly setup again.