The DBU-TTL Data Broadcast Unit is designed for use in receive only data broadcast applications. Examples of typical data broadcast applications are; Continuously updated public data displays and distribution of continuous data and clock signals to Terminals or receive only communication equipment. The DBU-TTL is especially suited for weather data distribution systems and radar data distribution.

The expanding role of V-SAT systems in receive only applications for real time data distribution is expected to increase dramatically over the next several years. The DBU-TTL is an excellent choice for applications of this type.

The DBU-TTL input port accepts standard TTL signals on a 50 Ohm or 75 Ohm connector, typically data and clock. The units output ports can support up to eight receive only terminals simultaneously on 50 Ohm or 75 Ohm connectors for data and clock distribution.

The DBU-TTL continuously broadcasts receive data and receive timing signals from the data source to the eight output terminal ports.

The DBU-TTL is housed in a sturdy aluminum enclosure and is supplied with an internal linear power supply. The unit has a 110/120 VAC rotary select switch located on the rear of the housing. The unit can operate on standard power found in all countries.

The DBU-TTL has a three year warranty and a 24 hour turnaround on warranty repairs.

**FEATURES / BENEFITS**

- Interface(s) - 50 Ohm or 75 Ohm BNC, TTL
- Data Rates - Up to 20Mbps
- Input Port: Two BNC Connectors Supporting TTL Clock and Data
- Output Ports: Eight BNC Connectors Supporting TTL Clock and Data
- Supports Synchronous or Asynchronous Data
- Ideal for V-SAT Data/Clock Broadcasting
- Timing - External from attached DCE
- Status LED's for Input and Outputs
- 110/220VAC switch selectable
- Sturdy 1U Rack Mount Aluminum Enclosure

**DESCRIPTION**

Figure 1 - TYPICAL APPLICATION

EAST COAST DATACOM, INC.
### Application
Allows TTL input of Data and Clock on 50 Ohm or 75 Ohm BNC Connectors to be broadcast simultaneously to eight output TTL signals of Data and Clock on BNC connectors.

### Capacity
Data & Clock Input Ports and eight output ports each for Data & Clock.

### Interface
50 Ohm or 75 Ohm BNC Connectors.

### Data Format
Synchronous or Asynchronous Data. Data Transparent at all Data Rates.

### Data Rates
Up to 20Mbps.

### Indicators
POWER, DATA and CLOCK.

### Surge Protection
Main power supply.

### Power Source
AC Mains: 100-120 to 200-220VAC @10%, 50/60Hz, 0.16/0.08A, external 110/220 volt select switch, IEC Power Inlet, (2) 5mm Fuses.
DC Mains: DC Voltage, Input Range of -36 to -72vdc, Current Draw at 48vdc: 75ma @ 3.6watts.

### Environmental
Operating Temperature...32º to 122º F (0º to 50º C), Relative Humidity............5 to 95% Non-Condensing, Altitude.............................0 to 10,000 feet.

### Dimensions
Height ..... 1.75 inches (4.44 cm)
Width ....... 17.00 inches (43.18 cm)
Length ....... 9.00 inches (22.86 cm)

### Weight
1U Rackmount, 6 Pounds (2.267Kg).

### Warranty
Three Years, Return To Factory.

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### ORDERING INFORMATION
Part # 243000, Model: DBU-TTL
Description: DBU-TTL, 1U Rack Mount 8-Port TTL

### INCLUDED WITH EACH UNIT:
1) Operations Manual
2) U.S.A. Grounded Power Cord, Part # 713015
3) Optional Power Cords
   A) United Kingdom, Part # 713016
   B) Continental Europe, Part # 713017
   C) Other: Specify Country on Purchase Order

### OPTIONAL ACCESSORIES:
1) Spare Data Center Fuses
   A) 160ma Fuse, Qty (2) Part # 714000
   B) 80ma Fuse, Qty (2) Part # 714001

For further detailed technical information on this product, contact East Coast Datacom, Inc at: support@ecdata.com

### Other East Coast Datacom, Inc. Products
- Digital Sharing Devices
- Network Latency Simulators
- Interface Converters
- Modem Eliminators
- Serial Network Adapters
- Data Broadcast Units
- TDM Multiplexers
- Remote Secure Console Server
- Serial Line Driver

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