

DBU-TTL

Data Broadcast Unit



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

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.

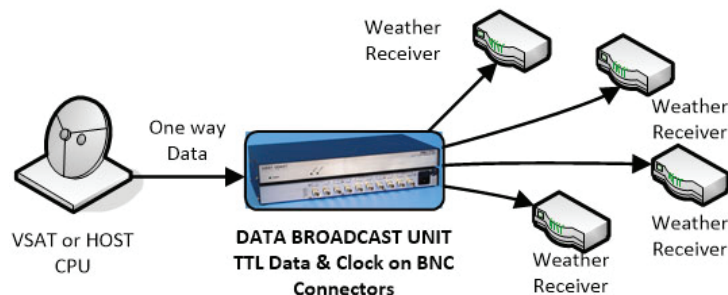
The DBU-TTL input port accepts standard TTL signals on a 50 Ohm or 75 Ohm connector, typically data and clock. The units output ports can support up to eight receive only terminals simultaneously on 50 Ohm or 75 Ohm connectors for data and clock distribution.

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

Figure 1 - TYPICAL APPLICATION



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SPECIFICATIONS

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....32° to 122° F (0° to 50° 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

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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