

# DBU-HSSI DATA BROADCAST UNIT



## FEATURES / BENEFITS

- ✓ Interface – HSSI Compliant, ECL (Emitter Coupled Logic) DB-25 Female Connectors
- ✓ Compatible with any ECL Data and Clock logic level interface (HSSI)
- ✓ Data Rates- Synchronous to 52Mbps
- ✓ Receive Data and Clock Broadcast to all Subchannels
- ✓ May be cascaded
- ✓ Ideal for V-SAT Data/Clock Broadcasting
- ✓ Sturdy Metal Rackmount or Standalone Enclosure
- ✓ 110/220VAC Switch Selectable

## DESCRIPTION

The East Coast Datacom DBU-HSSI is designed for use in receive only data broadcast applications. Examples of high speed HSSI or ECL compliant device data broadcast applications are; continuously updated private or public data displays and distribution of continuous data to Routers, Bridges or PC's. The expanding role of VSAT systems in receive only applications for real time data distribution is expected to increase dramatically over the next few years. The DBU-HSSI is an excellent choice for applications of this type.

The DBU-HSSI utilizes an Emitter Coupled Logic(ECL) balanced user interface on all subchannel ports. ECL is utilized for all HSSI data interfaces on Routers and Bridges. The ECL interface has a maximum data rate of up to 52Mbps. The unit has female DB-25 connectors that allow the user to easily and economically source data cables.

The DBU-HSSI continuously broadcasts receive data and receive timing from the master input port to the four output ports. The DBU-HSSI's master port should be connected to the HSSI transmitter(DCE device). The input signals are split with the internal circuitry and broadcast out on the four output HSSI ports. All output ports should be connected to DTE devices. Each port has its own independent driver and receiver for re-transmitting Data and Clock signals.

The DBU-HSSI is housed in a sturdy aluminum standalone or rackmount enclosure and is supplied with an internal linear power supply. The unit has a 110/220 VAC rotary select switch located on the rear of the housing and can operate on standard AC power found in all countries. The unit has a three-year warranty.

### DB-25 PORT PINOUTS

Pin Number	Signal Name
10	Data +
23	Data -
5	Clock +
18	Clock -
13	Shield/GND

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# SPECIFICATIONS

## Application

Multiple Synchronous Broadcasting of Data and Clock via HSSI interfaces

## Capacity

One to Four Subchannels per unit, cascading is unlimited

## Interface

HSSI Compliant, ECL (Emitter Coupled Logic)

## Data Rates

Up to 52Mbps

## Data Format

Data transparent at all data rates

## Master Port Connection

25 pin female D-Sub connector

## Subchannel Connection

25 pin female D-Sub connectors

## Front Panel

Indicators....Power

## Power Source

100-120 to 200-220VAC @10%, 50/60Hz, 0.16/0.08A, external 110/220 volt select switch, IEC Power Inlet, (2) 5mm Fuses

## 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

4.5 pounds (2.1 Kg)

## Warranty

Three Years, Return To Factory

## ORDERING INFORMATION

Part Number: 153000

Model: DBU-HSSI

Description: 4-Port HSSI Data Broadcast Unit

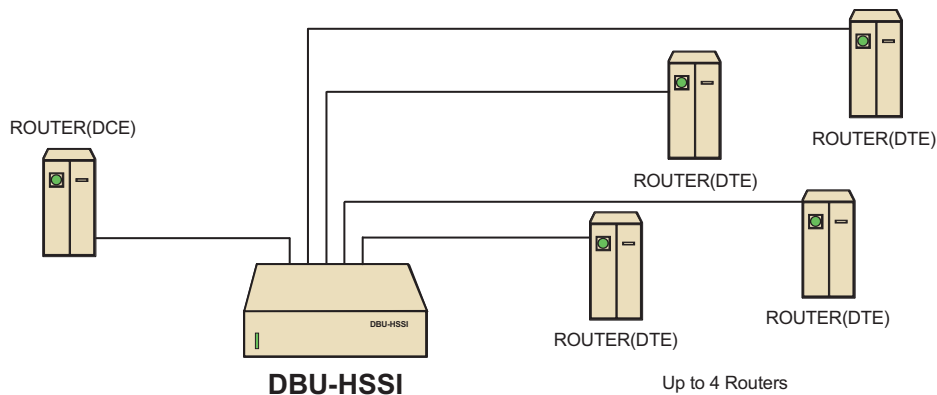
## INCLUDED WITH EACH UNIT:

- 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

EAST COAST DATACOM DESIGNS AND MANUFACTURES DATA COMMUNICATION EQUIPMENT FOR YOUR NETWORK REQUIREMENTS.



SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

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