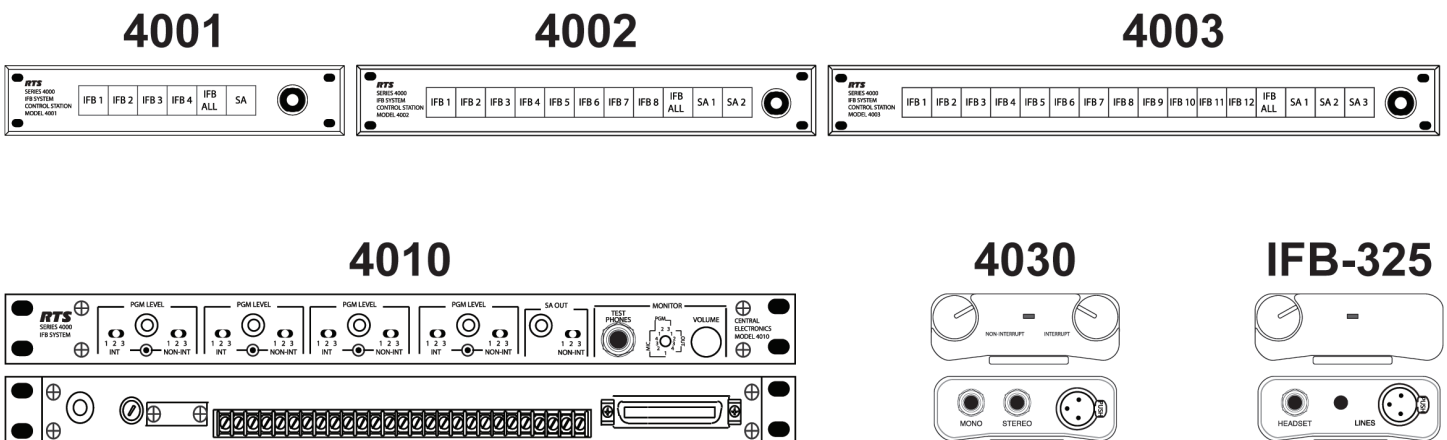


## 4001, 4002, 4003, 4010, 4030, IFB-325 IFB System



This IFB System is a one-way Interruptible Feedback communications system (a program interrupt system) created especially to meet critical requirements of the television broadcast industry, as well as other live or recorded media applications. The system is composed of user stations, central electronics and control panels. A modular approach assures the optimum configuration for each installation. Should system expansion be desired, additional components may be added as necessary. A typical system may consist of the following: up to four (4) control panels, one (1) central electronics unit, four (4) user stations and assorted cabling and interconnect units. The maximum standard configuration allows four (4) control panels, three (3) central electronics, and 12 user stations.

## Line Drawings



## Specifications

### 4001, 4002, 4003

Frequency Response: 50Hz to 16kHz 0, -3dB  
 Signal-To-Noise Ratio: 58dB  
 Total Harmonic Distortion: 0.2%

### Nominal Input Level

Microphone: 123mV p-p  
 Line: -15dBu to -5dBu

### Input Impedance Unbalanced Input

Microphone: 470Ω  
 Line: 4.7kΩ  
 Gain: 54dB to 14dB  
 Nominal Output Level: -10dBu, balanced, Z=300Ω

### Power Requirements

4001: 14VAC, 325mA  
 4002: 14VAC, 550mA  
 4003: 14VAC, 1A

### Dimensions

4001: 1.72" (43.7mm) H, 8.5" (215.9mm) W, 3.4" (86.4mm) D  
 4002: 1.72" (43.7mm) H, 12.25" (312mm) W, 3.4" (86.4mm) D  
 4003: 1.72" (43.7mm) H, 19.0" (483mm) W, 3.4" (86.4mm) D

### Weight

4001: 2.1lb. (0.953kg)  
 4002: 2.3lb. (1.043kg)  
 4003: 2.4lb. (1.089kg)

### 4010

#### Frequency Response

30Hz to 16kHz +1/-2dB

#### Noise

Interrupt channel: -73dBu  
 Non-interrupt channel: -83dBu  
 Total Harmonic Distortion: 0.5%

#### Nominal Input Level

Microphone @ line level: -10dBu/input  
 Z=2kΩ  
 Program 0 dBu/input Z=2kΩ

#### Nominal Output Level

To User Stations: -8dBu/unbalanced, Z=10Ω  
 To SA amplifier -5dBu/balanced, Z=800Ω

#### Crosstalk

From other program inputs: -67dBu  
 Between left & right channels: -64dBu

#### Mains Power Consumption

120VAC, (240 VAC version available),  
 50/60Hz 11 volt-amps

#### Dimensions

1.72" (43.7mm) H, 19" (483mm) W, 15.6" (395mm) D

#### Weight

10.4lb (4.7kg)

### 4030

#### Power Consumption

30–80mA

#### Dimensions

5" (127mm) H, 3.5" (88.9mm) W, 1.8" (45.7mm) D

#### Weight

0.67lb (303g)

#### Earset Connector

¼" (6.3mm)

### IFB-325

#### Supplied Power

Requirements: 32VDC nominal (standard RTS line). 30 to 80mA

#### Dimensions

5" (127mm) H, 3.5" (88.9mm) W, 1.8" (45.7mm) D

#### Weight

1.0lb (0.45kg)

#### Environmental Requirements

Storage: -20°C to 80°C (-4°F to 176°F);  
 0% to 95% humidity, non-condensing  
 Operating: 0°C to 50°C (32°F to 122°F);  
 0% to 95% humidity, non-condensing

#### Earset

150 to 600Ω headphones

#### RTS Intercom Channel

Input Level: 0 dBu nominal  
 Input Impedance: 200Ω ±5%  
 Noise Contribution: Less than -60dB on the line  
 Voltage Gain: 27 ±3dB from the line  
 Maximum Output: 165mW into 150Ω  
 Frequency Response: 250Hz to 8kHz +1/-4dB

#### Headset Connector Type

¼" Monaural Plug  
 Sleeve: Headset audio low  
 Tip: Headset audio high

#### Intercom Channel Connectors

Type: XLR-3F  
 Pin 1: Common  
 Pin 2: Intercom channel 1 (audio and +32VDC input)  
 Pin 3: Intercom channel 2 (audio)

## Order Information

4001 • 4001 CONTROL STATION • IFB 4 position control station for 4 IFB, 1SA  
 4001 RMA • 4001 RNA RACK MT ADAPTER • Rackmount adapter for 4001  
 4002 • 4002 IFB STATION • IFB 8 position control station for 8 IFB, 2SA  
 4002 RMA • 4002 RMA ADAPTER • Rackmount adapter for 4002  
 4003 • 4003 IFB STATION • IFB 12 position control station for 12 IFB, 3SA  
 4010 • 4010 IFB CENTRAL ELEC • Central IFB electronics station  
 4030 • IFB 4030 2CH IFB BELTPACK • Portable 2-channel IFB user station  
 IFB-325 • IFB325 1CH IFB BELTPACK • Portable single channel IFB beltpack with ¼" jack

The specification information is preliminary and is subject to change without notification.  
 Brand names mentioned are the property of their respective companies.