

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

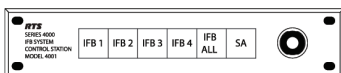
IFB System



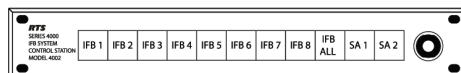
This IFB System is a one-way Interruptible Feedback communications system (a program interrupt system) created especially to meet critical requirements of the television broadcast industry, as well as other live or recorded media applications. The system is composed of user stations, central electronics 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

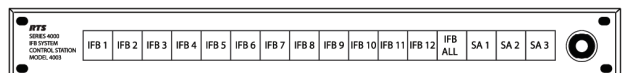
4001



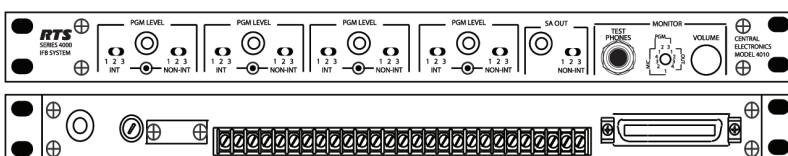
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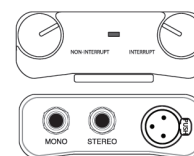
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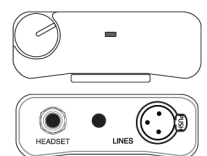
4010



4030



IFB-325



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

1/4" (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

1/4" 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 1/4" jack

The specification information is preliminary and is subject to change without notification.
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