

DC 5900 F Discussion Unit

- Compact, unobtrusive flushmount discussion unit
- Modular design with optional high-quality loudspeaker
- Easy installation from the top surface
- Compatible with DIS GM and Shure Microflex® gooseneck microphones
- Automatically configures as chairman or delegate according to button overlay



Description

The DC 5900 F is a flushmount discussion unit for the DIS DDS 5900 Digital Discussion System. It enables participants to address and monitor others in the discussion, while mounting unobtrusively onto the surface. The DC 5900 F is configurable as a chairman or delegate.

The modular design of the DC 5900 F allows component variations to expand or simplify the system. A loudspeaker is available for listening to the discussion, while a headphone output provides two language translation channels. Expanded microphone options offer greater flexibility and deliver superior audio performance. Touch-button controls automatically configure as chairman or delegate, according to the attached overlay.

Component Variations

The DC 5900 F is a system of modular components that can be expanded or simplified once the base unit has been installed. The following is a description of each component:

① Base

Each component connects to the DC 5900 F base to assemble the discussion unit. Two RJ-45 jacks on the bottom provide power, audio, and control across a chain of discussion units.

② Front plate

The front plate includes the touch-button controls. Two models are available:

- FP 5921 F: speech only
- FP 5981 F: speech with language interpretation monitoring

③ Loudspeaker

The optional LS 5900 F loudspeaker provides sound reinforcement of the discussion.

④ Gooseneck microphone

The microphone enables participants to address the floor and is available in a variety of models:

- GM 59xx
- GM 6xxx
- Shure MX4xxRLP (requires AC 5901 XLR/Microflex adapter)

⑤ Touch-button overlays

The overlay attaches to the front plate and automatically configures the touch-button controls. Each overlay provides specific controls for operation as a delegate or chairman. A blank overlay is also available for participants that do not require any controls.

Features

- Compact, modular design for permanent installation
- Sleek, touch-button interface automatically configures according to the attached overlay
- Compatible with DIS and Shure Microflex MX RLP microphones
- Optional LS 5900 F high-quality loudspeaker for monitoring the discussion
- Provides monitoring of two channels of interpretation (with FP 5981 F)
- Proprietary codec algorithm prevents unauthorized listening of the audio signal
- Installs from the top to simplify installation
- Operates as chairman or delegate unit
- Two RJ-45 ports provide power, audio, and control transport across a single chain of chairman, delegate, and interpretation units
- DCS-LAN connection uses CAT 5e (or higher) shielded F/UTP or U/FTP cabling
- Supports four microphone modes: Automatic, FIFO, Manual and VOX (voice activation)

Configuration Examples



FP 5921 F Front Plate
FP 5921 F Overlay 1
DIS GM 5923 Gooseneck Microphone
LS 5900 F Loudspeaker
DC 5900 F Base Unit (not shown)



FP 5981 F Front Plate
FP 5981 F Overlay 6
AC 5901 XLR/Microflex Adapter
MX405RLP Microphone
LS 5900 F Loudspeaker
DC 5900 F Base Unit (not shown)

Parts



DC 5900 F Base Unit



LS 5900 F Loudspeaker



FP 5921 F Front Plate with FP 5921 F Overlay 1



FP 5981 F Front Plate with FP 5981 F Overlay 5



FP 5921 F Overlays



FP 5981 F Overlays

Specifications

Electrical

Frequency response (headphone)	65 Hz to 16 kHz
Frequency response (loudspeaker)	150 Hz to 15 kHz
Power consumption	1.5 W
Power maximum (loudspeaker)	2.1 W RMS
THD	<0.1%
Signal-to-noise ratio	>85 dBA
Headphone connection	3.5 mm jack, female stereo socket

Interconnections

DCS-LAN	Two RJ45 female sockets (loop-through) with auto-termination
Headphone	3.5 mm stereo jack
Loudspeaker	2-pin 2.5 mm pitch Spox™ Molex socket

Mechanical

Mounting	Flush mounted
Dimensions (H x W x D)	DC 5900 F Base: 50 x 50 x 106 mm LS 5900 F: 44 x 108 x 78 mm FP 5921 F: 12 x 73 x 63 mm FP 5981 F: 12 x 152 x 63 mm AC 5901: 47 x 19 x 19 mm
Color	Black
Weight	DC 5900 F Base: 188 g LS 5900 F: 260 g FP 5921 F: 38 g FP 5981 F: 79 g AC 5901: 43 g
Temperature range	5° to 40° C

How To Order

Discussion Unit and Accessories

Base unit for DC 5900 F Discussion unit.	DC 5900 F
Loudspeaker for use with DC 5900 F	LS 5900 F
XLR/Microflex Adapter (5 pack)	AC 5901 5PK
Spare Part Set DDS 5900 F	SPS DDS 5900 F

FP 5921 F

DC 5900 F front plate without headphone jack or channel selectors. Configurable as chairman or delegate. (Button overlays not included.)	FP 5921 F
DC 5900 F Overlay: Delegate with mute button (5 pack)	FP 5921 OL1 5PK
DC 5900 F Overlay: Delegate (5 pack)	FP 5921 OL2 5PK
DC 5900 F Overlay: Chairman with all-delegate off button (2 pack)	FP 5921 OL3 2PK
DC 5900 F Overlay: no buttons (5 pack; Chairman & Delegate)	FP 5921 OL4 5PK

FP 5981 F

DC 5900 F front plate with headphone jack and channel selectors. Configurable as chairman or delegate. (Button overlays not included)	FP 5981 F
DC 5900 F Overlay: Delegate with mute and channel selector buttons (5 pack)	FP 5981 OL5 5PK
DC 5900 F Overlay: Delegate with channel selector buttons (5 pack)	FP 5981 OL6 5PK
DC 5900 F Overlay: Chairman with all delegate-off button and channel selector buttons (2 pack)	FP 5981 OL7 2PK

Topic title



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SHURE®
LEGENDARY
PERFORMANCE™

United States, Canada,
Latin America, Caribbean:
Shure Incorporated
5800 West Touhy Avenue
Niles, IL 60714-4608 USA

Phone: +1 847-600-2000
Fax: +1 847-600-1212 (USA)
Fax: +1 847-600-6446
Email: info@shure.com
www.shure.com

Europe, Middle East, Africa:
Shure Europe GmbH
Jakob-Dieffenbacher-Str. 12,
75031 Eppingen, Germany

Phone: +49-7262-92490
Fax: +49-7262-9249114
Email: info@shure.de
www.shure.eu

Asia, Pacific:
Shure Asia Limited
22/F, 625 King's Road
North Point, Island East
Hong Kong

Phone: +852-2893-4290
Fax: +852-2893-4055
Email: info@shure.com.hk
www.shureasia.com