

## 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

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

## Interconnections

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

## Mechanical

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

# How To Order

## Discussion Unit and Accessories

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

## FP 5921 F

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

## FP 5981 F

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

## Topic title



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