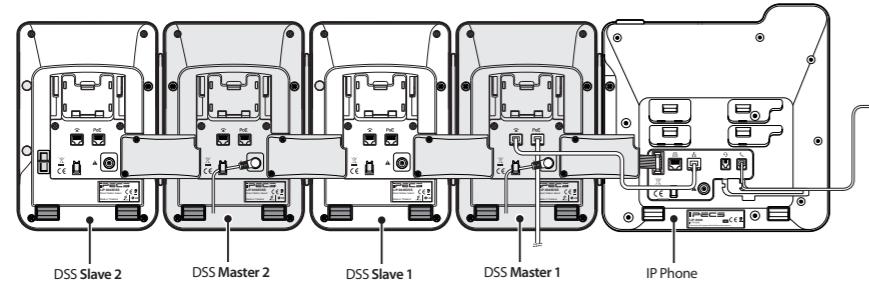## Network and Power

LIP-9048DSS can be powered by either AC/DC adaptor (not supplied), or PoE. When the power mode is set as MASTER, in this case the power adapter is not necessary for IP Phone.

- Use only the Ericsson-LG Enterprise Approved power adaptor which you can order separately.
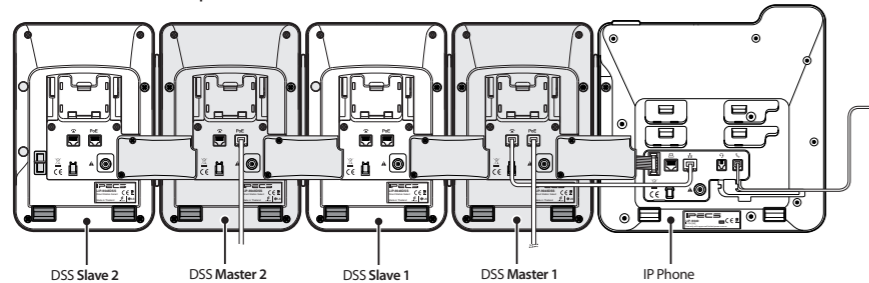- To use PoE, your connected LAN must support PoE.

Powered by Power Adaptor

1. Plug the supplied LAN cable into the RJ45 Jack on the DSS marked with the ☎ symbol and the LAN Ethernet port on your phone marked with the 🖧 symbol.

2. Plug the LAN cable into the PoE Jack on the DSS marked with the **PoE** symbol and your LAN Ethernet connection. (Do not extend the LAN Ethernet cable to the outside of the building.)

3. Connect the power adapter to the adapter jack on the DSS and fasten the cord with a hook.

4. To install additional DSS, please refer to the figure in below, and 'DSS Master 2' must be connected with a separate adapter.

5. Plug the power adapter into the nearest power outlet.

DSS **Slave 2**   DSS **Master 2**   DSS **Slave 1**   DSS **Master 1**   IP Phone

Powered by PoE

1. Plug the supplied LAN cable into the RJ45 Jack on the DSS marked with the ☎ symbol and the LAN Ethernet port on your phone marked with the 🖧 symbol.

2. Plug the LAN cable into the PoE Jack on the back of DSS marked with the **PoE** symbol and your LAN Ethernet connection. (Do not extend the LAN Ethernet cable to the outside of the building.)

3. To install additional DSS, please refer to the figure in below, and 'DSS Master 2' must be connected with a separate PoE.

DSS **Slave 2**   DSS **Master 2**   DSS **Slave 1**   DSS **Master 1**   IP Phone

iPECS

LIP-9048DSS

Quick Installation Guide

iPECS is an Ericsson-LG Brand

ERICSSON   LG

Please read this manual carefully before operating your set. Retain it for future reference.

Before Starting

About this guide

This document provides information about the LIP-9048DSS (Direct Station Select) module installation for the LIP-9000 Series.

Package contents

The following items are included in your LIP-9048DSS package. Before installation, ensure that you have the following package contents:
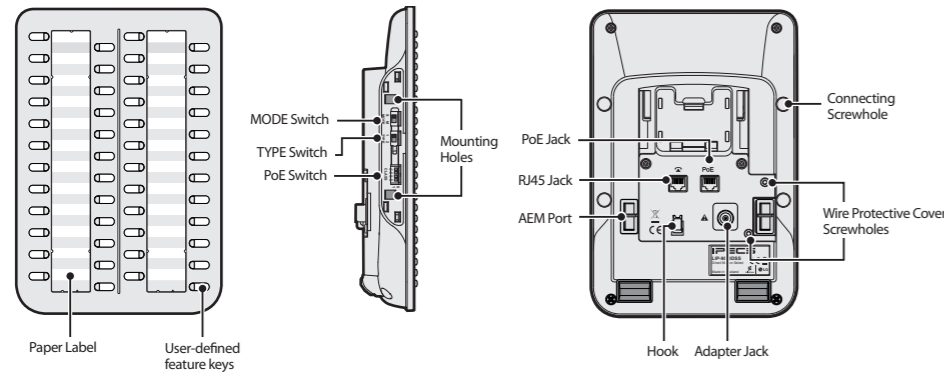
* LIP-9048DSS with Paper Labels and Multi-angle Stand
* Joint Bracket/Wire Protective Cover/Screws
* CAT5E Ethernet Cable
* 12 Pin Cable
* Quick Installation Guide

Description

The LIP-9048DSS provides 48 flexible buttons that can be programmed to connect with an IP phone. Accoring to the protocol type selection explains on page 2, you will set up the protocol type of LIP-9048DSS. If you are setting a SIP type, you can connect up to two LIP-9048DSS (iPKTS type up to four) to the phone. (except the LIP-9010).
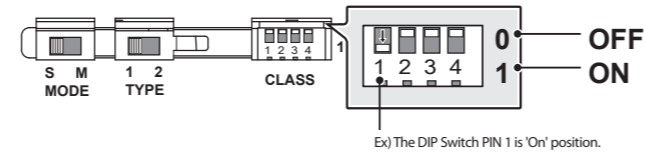
Component names

This illustration outlines your LIP-9048DSS's basic layout.

MODE Switch
TYPE Switch
PoE Switch
Mounting Holes
PoE Jack
RJ45 Jack
AEM Port
Connecting Screwhole
Wire Protective Cover Screwholes
Hook   Adapter Jack
Paper Label   User-defined feature keys

Settings

Set the LIP-9048 DSS for connection depending on the model of IP phone you are using. The switches are hidden on the back of right side of the DSS. (Note that you need to remove the plastic protective cover from the DSS to begin the necessary preparations.)

OFF
ON
Ex) The DIP Switch PIN 1 is 'On' position.

Power Mode

The MODE switch is used to choose the power mode between Slave and Master.

Symbol	Mode	Power	Description
S	Slave	5V	LIP-9048DSS receives power from another DSS.
M	Master	48V	LIP-9048DSS provides power itself.

Protocol Type

The TYPE switch is used to choose a call protocol type between iPKTS and SIP.

Symbol	Type	Description
1	iPKTS	Supports the IP Key Telephone System protocol (iPKTS)
2	SIP	Supports the Session Initiation Protocol (SIP)

Caution! Set the DSS's protocol type to SIP, when connecting to LIP-9050/71 model (up to two DSSs are connected to the phone). Power can be supplied only from the PoE.

PoE Class (IEEE802.3af standard)

The LIP-9048 DSS supports devices with PoE class 0, 1, 2, 3 and 4, this class indicates the power range required for the device to work. The devices which classified as Class 0 to allow them to draw all the power they may need without setting of the DIP switch. The DIP switch has 4 individual PIN, you can do the configuration for need adjustment. The default PINs position on the Switch is'0000', which indicated the Class '0'.

Class	PIN	Power Ranges(W)
0	0000	0.44W - 12.95W
1	1000	0.44W - 3.84W
2	0100	3.84W - 6.49W
3	0010	6.49W - 12.95W
4	0001	12.95W - 25.5W

Model	Power Consumption(W)
LIP-9048DSS	2.86W
LIP-9020	3.05W
LIP-9030	3.39W
LIP-9040	3.34W
LIP-9050	13W
LIP-9071	14.4W

Installation

Your IP phone and DSS should be placed on a level surface near an electrical outlet, such as a desk or table top.
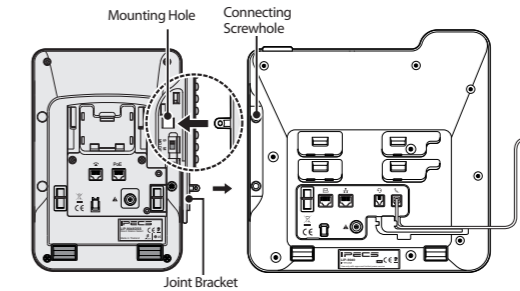
Connecting DSS with IP Phone

To install this DSS correctly, please follow the procedures below.

Caution! To avoid damaging equipment, remove the power from the IP phone before connecting a DSS.

1. Set the power mode, protocol type, and PoE class in advance. See **PoE Class Setting** on page 2 for details.
2. Make sure that the Joint Bracket is aligned with the side of the DSS, and insert the one side of the Joint Bracket into the mounting holes.
3. And insert the other side of the Joint Bracket into the mounting holes on the side of your phone.
4. Use the provided screws to connect the DSS and phone firmly together.

Mounting Hole   Connecting Screwhole
Joint Bracket

5. At the back of the DSS and phone, remove the rubber plug from the Accessory Expansion Module(AEM) port.
6. Plug the 12-Pin cable into the AEM port on the the DSS and phone. (When installing additional DSS, be sure to use a 12-pin cable to connect each DSS)
7. Place the Wire Protective Cover behind the DSS and align the screwholes with the Wire Protective Cover screwholes on the DSS.
8. Tighten the screw to secure the Wire Protective Cover.

AEM Port
Wire Protective Cover   12 Pin cable