

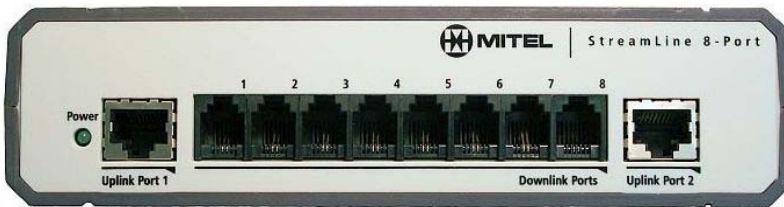
QUICK INSTALL GUIDE

MITEL STREAMLINE 8-PORT DELIVERING POWER OVER LONG REACH ETHERNET

The Mitel® StreamLine family of data switches delivers Ethernet and Power over Ethernet on a single pair of telephony grade wire¹ with 4 times the reach of traditional data switches. With the StreamLine 8-Port switch, customers can transform their existing voice infrastructure into an IP network with power ideal for IP telephony deployment.

THE STREAMLINE 8-PORT SWITCH

Front



Back



StreamLine 8-Port Switch Package Includes:

- 1 x StreamLine 8-Port Switch
- 1 x AC/DC Power Adapter
- Quick Install Guide
- 2 x StreamLine Dongles, for details refer to the Mitel [StreamLine Hardware Installation Guide](#).

¹ StreamLine is supported on both CAT-3 or better, and CW1308 cabling, of up to 365 m (1200 ft) and 24 gauge or better. For more technical details, please consult the [StreamLine Site Survey](#) document.

INSTALLATION CONSIDERATIONS



Note: Prior to installation, the suitability of the wiring plant for use with the StreamLine switch must be determined. For details refer to the Mitel [StreamLine Hardware Installation Guide](#).

LOCATION REQUIREMENTS

Power - The AC/DC Power Adapter must be placed within 1.8 m (6 ft) of an available mains power source. Do not use an extension cord to connect the equipment to a power outlet.

Note: It is recommended that the Streamline 8-Port Switch be powered from a dedicated power outlet.

Environmental - The StreamLine 8-Port Switch must be installed in a dry location where the ambient temperature is within -10° C to 45° C (14° F to 113° F).

Connectivity - The 8-Port StreamLine Switch should be installed in the same location that the pre-existing CAT-3 wiring terminates/originates, this will typically be in the wiring or communications closet.

SITE SURVEY

Prior to installing the StreamLine switch, a Site Survey should be conducted. For details refer to the Mitel [StreamLine Site Survey](#) document.

VERIFYING THE WIRING PLANT

The wiring plant must be evaluated before installation to determine if the wiring plant is suitable for use with the StreamLine 8-Port. For details refer to [StreamLine Hardware Installation Guide](#), Appendix A Verifying Wiring and Cabling.



WARNING: INSTALLING THE STREAMLINE 8-PORT WITHOUT PRIOR VERIFICATION OF THE WIRING PLANT IS NOT RECOMMENDED. THE INSTALLER SHOULD NOTE THAT IF MITEL TECHNICAL SUPPORT IS REQUIRED FOR ANY INSTALLATION PROBLEMS, MITEL TECHNICAL SUPPORT MAY REQUEST A WIRING PLANT EVALUATION REPORT.

SUPPORTED IP PHONES

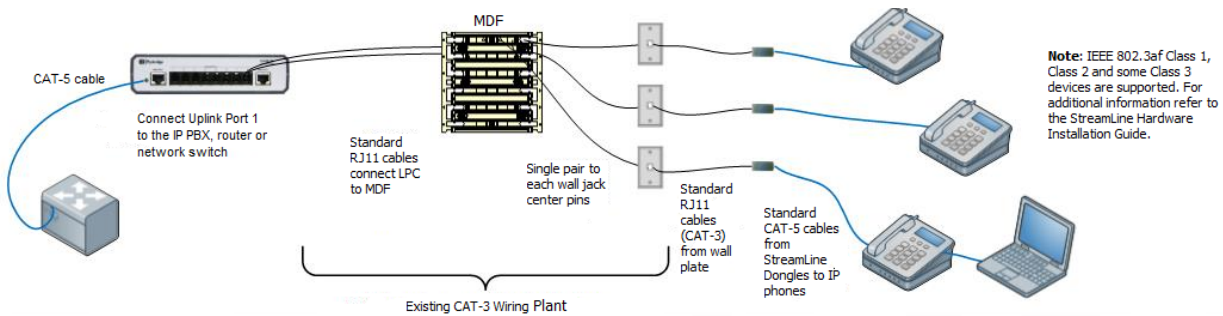
All StreamLine products support IEEE 802.3af compliant IP phones that are designated Class 1 or Class 2. The StreamLine products support some Class 3 devices provided the device does not draw more than 10 watts. For additional details, refer to [StreamLine Hardware Installation Guide](#). For information on IP phone power requirements refer to the [3300/MCD Engineering Guidelines](#).

Installation procedures will be trouble free if you ensure that the following items are available before you begin:

- The StreamLine 8-Port switch, and all cables and accessories you received in the StreamLine 8-Port package.
- All StreamLine Dongles required for connecting the IP endpoint devices.
- Standard CAT-5 copper LAN cables for the uplink ports (user - supplied).
- Standard CAT-3² unshielded single twisted pair cables, 24 AWG, for the downlink ports (user-supplied).

² StreamLine is supported on both CAT-3 or better, and CW1308 cabling, of up to 365 m (1200 ft) and 24 gauge or better. For more technical details, please consult the [StreamLine Site Survey](#) document.

HARDWARE TOPOLOGY AND INSTALLATION OVERVIEW



1. Remove the StreamLine 8-Port Switch and all accompanying accessories from the shipping container.
2. Disconnect all legacy analog/digital phones and fax machines from the RJ11 wall jacks.



Note: It is extremely important that no legacy phones be connected when you power on the StreamLine 8-Port Switch.

3. Connect a StreamLine Dongle to the LAN jack on each IP phone (Using a CAT-5 cable). Connect the other end of the StreamLine Dongle to the CAT-3 cable (RJ11 connectors) that is connected to wall jack.



Note: Do not locally power an IP phone while using the StreamLine Dongle.

4. Connect the CAT-3 downlink wiring, at the MDF or in the wiring closet, to the RJ11 jacks on the StreamLine 8-Port Switch.
5. Connect the CAT-5 cable from an Uplink port to the IP PBX or network switch.

Either Uplink port 1 or Uplink Port 2 can be used to connect the StreamLine switch to the IP PBX or network switch.



CAUTION: Under no circumstances should both Uplink Ports be connected to the IP PBX or Network switch; this could cause a network loop.

6. Use a second StreamLine 8-Port switch if more than 8 downlink ports are required to allow for downlink port expansion.

Uplink Port 1 on the second (expansion) StreamLine 8-Port should be connected to Uplink Port 2 on the first StreamLine 8-Port switch. Uplink Port 1 on the first StreamLine switch should be connected to the IP PBX or the network switch. For additional details refer to the StreamLine [Hardware Installation Guide](#).

7. Connect the DC Power Adapter Plug to the DC Jack Located at the back of the StreamLine 8-Port switch.



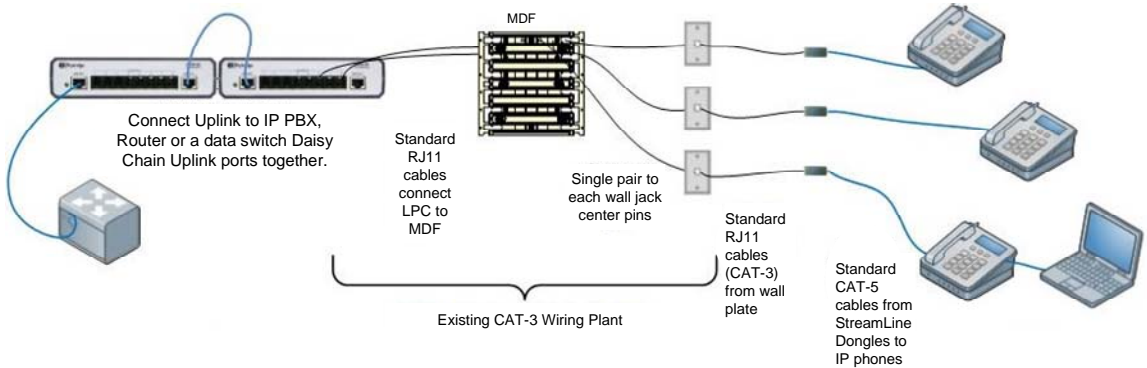
Note: The installer may wish to secure the DC power cable to the StreamLine switch with a cable tie and adhesive anchor.

8. Power up the StreamLine 8-Port Switch and observe that the Power LED is illuminated.
9. Verify that all IP phones are functional by placing a call to an internal party and a call to an external party.

STREAMLINE 8-PORT DAISY CHAINING



Note: For daisy chaining the units, connect Uplink Port 1 of the first unit to Uplink Port 2 of the second unit and so on and so forth. Refer to graphic below.



NOTE THE FOLLOWING

All of the above instructions provide basic installation information, necessary for the proper and safe functioning of this equipment. Persons installing or maintaining this product must read all of the safety instructions and the parts of system grounding which are applicable to the system being maintained. Only trained, qualified service personnel shall install or maintain this product.



WARNING: FAILURE TO FOLLOW ALL INSTRUCTIONS MAY RESULT IN IMPROPER EQUIPMENT OPERATION AND/OR RISK OF ELECTRICAL SHOCK.



WARNING: ANY CONNECTION TO AN OUTSIDE PLANT LEAD, AN OFF-PREMISE APPLICATION, OR ANY OTHER EXPOSED PLANT APPLICATION MAY RESULT IN A FIRE OR SHOCK HAZARD, AND/OR DEFECTIVE OPERATION, AND/OR EQUIPMENT DAMAGE.

- Keep these instructions with the equipment.
- Do not attempt to install or service this equipment unless you are skilled in the installation and maintenance of electronic telecommunications equipment and have successfully completed specific training for this equipment.

TECHNICAL SUPPORT

North America

1-800-561-0860 or 613-592-7849.
Please have your Technical Support ID Code ready when calling.

Europe, Middle East, Africa

Customer Management Center on +44 1291 436888.
Please have your Channel Support Agreement/Contract Number and password ready when calling.

Asia-Pacific

ap_productsupport@mitel.com and include your Technical Support ID Code.

South-Pacific

spac_supp@mitel.com and include your Technical Support ID Code.



SAFETY WARNINGS AND PRECAUTIONS

| | | | | | |
|--|---|--|--|---|---|
| Access to the interior of this unit shall be made only by a qualified technician. | Der Zugang ins Innere des Gerätes ist nur einem fachlich qualifizierten Techniker gestattet. | Seul un spécialiste doit avoir accès l'appareil. | Seul un spécialiste doit avoir accès l'appareil. | El servicio de antenimiento y reparación de esta unidad solo puede ser realizado por técnicos autorizados por el fabricante. | L'accesso all'interno di questa unità deve essere effettuato solo da tecnici qualificati. |
| To ensure adequate cooling of the equipment 5 cm (2 inch) unobstructed space must be provided at the back of the unit. | Um die Kühlung des Gerätes nicht zu beeinträchtigen, ist es notwendig, einen Raum von etwa 5 cm auf der Rückseite des Geräts vorhanden. | Afin de ne pas nuire au processus de refroidissement, il est nécessaire de laisser un espace d'environ 5 cm à l'arrière de l'appareil. | Afin de ne pas nuire au processus de refroidissement, il est nécessaire de laisser un espace d'environ 5 cm à l'arrière de l'appareil. | Para garantizar una refrigeración adecuada de la máquina, un 5 cm de espacio libre se proporciona en la parte posterior de la unidad. | Per assicurare un raffreddamento adeguato dell'apparecchio, è necessario lasciare uno spazio di 2 pollici su tutti i lati dell'unità. |

COMPLIANCE AND ENVIRONMENTAL INFORMATION

COMPLIANCE INFORMATION

The StreamLine 8-Port Switch complies with or has obtained Regulatory Agency approvals at least against the following standards:

- EMC – Emissions FCC Part 15, ICES-003, EN 55022 (class A)
AS/NZS CISPR22
- EMC – Immunity EN 55024
- Safety IEC 60950-1
EN 60950-1
UL 60950-1
CAN/CSA C22.2 No. 60950-1-07 2nd Edition
AS/NZS 60950.1

FCC PART 15 STATEMENT

This digital equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his or her own expense.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

INDUSTRY CANADA STATEMENTS

This digital equipment does not exceed Class A limits for radio noise emissions for digital apparatus, set out in Radio Interference Regulation of the Industry Canada.

NOTICE D'INDUSTRIE CANADA

Cet équipement ne dépasse pas les limites de Classe A d'émission de bruits radioélectriques pour les appareils numériques, telles que prescrites par le Règlement sur le brouillage radioélectrique établi par l'Industrie Canada.

EN55022 AND CISPR22 CLASS A WARNING

This is a class A product.

In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

NOTICE TO EUROPEAN CUSTOMERS



The CE marking affixed to this product indicates conformance to the EMC, Directive 2004/108/EC, LVD Directive 2006/95/EC and RoHS Directive 2011/65/EU.

ENVIRONMENTAL INFORMATION

WASTE ELECTRICAL AND ELECTRONIC EQUIPMENT - WEEE

The WEEE (Waste Electrical and Electronic Equipment) legislation aims to raise the level of recycling of electrical and electronic equipment and to encourage designers to create products with recycling in mind.

The StreamLine Switch and associated equipment (Power supply, Dongle, etc.) that you bought have required the extraction and use of natural resources for their production. They may contain hazardous substances that could impact health and the environment.

In order to avoid the dissemination of those substances in our environment and to diminish the pressure on the natural resources, we encourage you to use the appropriate take-back systems. Those systems will reuse or recycle most of the materials of your end-of-life equipment in a sound way.



The crossed-out wheeled bin symbol invites you not to dispose of WEEE as unsorted municipal waste and to collect such WEEE separately.

If you need more information on the collection, reuse and recycling systems, please contact your local or regional waste administration.

You can also contact us for more information on the environmental performances of our products.



Making changes or modifications

Any changes or modifications not expressly approved by MITEL will void any compliance and regulatory approval, and will void the user's authority to operate the equipment.
