

## TECHNICAL NOTE V004

# Set Up notes for the mm120 Set Top Box in the USA and Canada

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## Introduction

The purpose of these notes is to walk you through the set up process for your mm120 videoconferencing system. There are a few important items that need to be set up correctly, which are detailed below.

There are two parts to the set up process. Firstly the ISDN line must be installed and set up correctly, and secondly the set top box has to be configured. Once set up, these items do not need to be changed again.

## 1. ISDN Line Set Up

### Office Environment

#### ISDN Line

Request an ISDN line from your Support Center. This line should be:

**"128K Non-bonded, Switched Voice and Data, with no supplementary services"**

At the same time have the ISDN socket checked to see if it is U-interface, (2 wire) or S-interface (4 wire).

If the output is U interface, a Network Terminating unit, NT1 is required to convert the signal to an S interface output. The NT1 unit is installed as shown in the diagram on the next page.

### Home Environment

#### ISDN Line

You need to order an ISDN line from your local telecom provider. There are a number of different types of ISDN line that you can obtain, and you should ask for the following type of line when ordering.

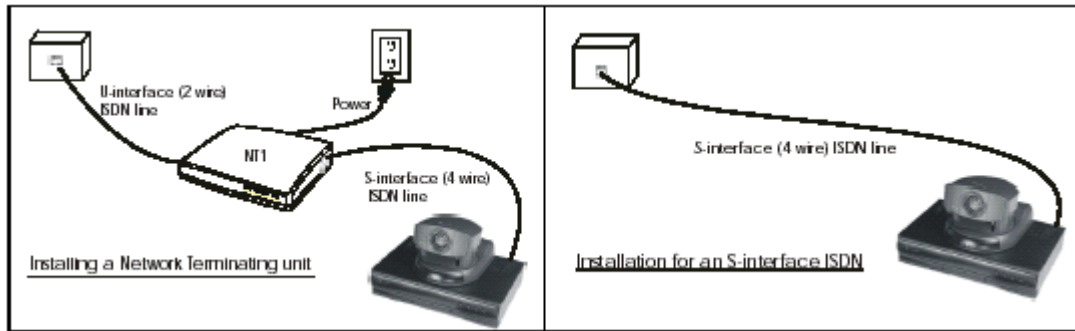
**"128K Non-bonded, Switched Voice and Data, with no supplementary services"**

This sounds complex, but in fact it is a standard type of ISDN installation.

## Network Terminating Unit

You will also need to purchase a **Network Terminating Unit, NT1**. This converts the signal from a 2-wire interface to a 4-wire interface required by the mm120 set top box. A Network Terminating unit can be purchased from business communications resellers.

Connect up the set top box as shown in the diagram below.



## mm120 Set Top Box Configuration

When you order the ISDN line from your telecom provider, you will be told the type of ISDN line that is installed, and you will be given certain numbers called SPIDs and possibly Local Numbers as well. This information is needed to configure the set top box. Use the following table to help you with these details:

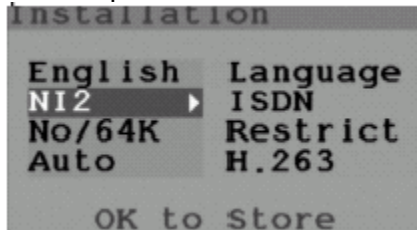
| Item      | Write Information here |
|-----------|------------------------|
| ISDN Type |                        |
| SPID 1    |                        |
| SPID 2    |                        |
| Local # 1 |                        |
| Local # 2 |                        |

## Configuring the mm120 with the ISDN Type

Three types of ISDN line are available in the USA, namely NI2, DMS100 or AT&T Custom. Your telecom provider will tell you which one your line uses.

### To configure the mm120 with the ISDN type:

1. Press **CONFIG** on the IR control to access the Configuration menu.
2. Using the Up/Down arrows, select the **Installation** menu, and press **OK**.
3. The Installation menu displays. Use the Up/Down arrows to move to the **ISDN** menu.
4. Use the Left/Right arrows to set the ISDN variant to the type given you by your telecom provider. In the screen shot below, NI2 is selected.



5. **Note:** By default, Language is set to **English**. Restrict to **No/64K** and H.263 to **Auto**, and these should be **OK**.
6. When the details are correct, press **OK**. The information is saved, and the mm120 set top box restarts.  
ISDN type set up is now complete.

## Configuring the mm120 with Service Profile IDs (SPIDs) and Local Numbers

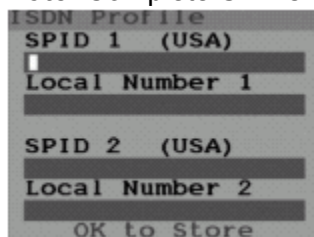
These numbers are provided by your ISDN network provider, and are keyed into the **ISDN Profile** menu, which is accessed using **Set-Up**. If required, Local Numbers are given to at the same time, and are also keyed into the **ISDN Profile** menu.

### To input SPID and Local Numbers:

1. Press **CONFIG** on the IR remote control unit to access the Configuration menu.
2. Using the Up/Down arrows select the **ISDN Profile** menu, press **OK**.
3. The ISDN Profile menu displays, with the cursor in the top line (SPID 1). Enter the first SPID number. Enter numbers without spaces or dashes.
4. Arrow down to **Local Number 1**, and enter your **Local Number**, if you have one.
5. Arrow down again and input **SPID 2**.
6. Arrow down again, to **Local Number 2**, and only enter a second **Local Number** if you have one. Otherwise leave this line blank.
7. When the details are correct, press **OK**.

The set top box automatically saves the data and restarts.

**Note:** Complete SPIDs 1 and 2, even if both numbers are the same.



The information provided in this Documentation is believed to be accurate and reliable. However, SCOTTY Group plc assumes no responsibility for its use, and reserves the right to revise this Documentation without notice.

### **3. Test Call**

SCOTTY has an ISDN phone line, which you can use to check the set up of your system. This line is available during UK working hours. Calls are charged at the international rate. The number is: +44 (0)1454 635555

#### **If you have difficulties...**

If you questions, or run into problems when installing and configuring your mm120, please contact the supplier of your videoconferencing system.