MINICOM

Advanced Systems Ltd.

CLASSNET TWIST

MULTILOOP

Quick Installation Guide

Classnet Twist Multiloop - Quick Installation Guide

The **Multiloop** is **Minicom's** latest innovation in the **Classnet Twist** product line.

Introduction

The standard **Classnet Twist** classroom has one long loop that connects up to 31 Student units with the Teacher unit. With the **Classnet Twist Multiloop** you can have up to five smaller loops in one classroom, giving you the following advantages:

1. Connect up to **63** Student Units to the **Classnet Twist** System.
2. An increase in the overall system cable distance of up to 300m / 980 ft. The maximum length of the System cable in each loop should be less than 60m / 200 ft.
3. An increase in the overall quality of the **Classnet Twist** system.

Installation

Figure 3 on page 3 illustrates the **Multiloop** configuration. Before connecting the **Classnet Twist Multiloop**, set up the classroom layout by evenly dividing the Student stations between all five loops. The Teacher Unit **must always be** in Loop 1. The maximum number of **Classnet Twist** Units in each loop should not be more than 16.

1. Place the **Classnet Twist Multiloop** away from florescent lights, strong magnetic and electromagnetic fields and all other sources of electrical noise.
2. Connect the 9VAC power adapter to the power connector on the front panel of the **Classnet Twist Multiloop** Unit and plug the cord into a wall socket.
3. Connect the loops using standard CAT 5 FTP System cable as follows:
   a. Connect the OUT port of **Loop 1** of the **Multiloop** to the IN port of the first Twist Unit.
   b. Connect the OUT port of the last Twist Unit in the loop to the IN port of **Loop 1** of the **Multiloop**. For best performance, connect the Teacher Unit as the last station in **Loop 1**.
   c. Connect the other Loops to the rest of the Twist units, as above.
4. Set the Student Units ID Numbers according to your classroom layout. To set the ID Numbers, see the **Classnet Twist** Installation Guide.

Mapping the classroom layout using the Classnet Twist Multiloop

Map the classroom layout before operating the **Classnet Twist** system.
To map the classroom layout:

1. Switch on all computers and **Classnet Twist** Units.
2. Press the following key sequence on the Teacher Control Unit (TCU):
3. **<PRINT> <MASTR> <ENTER> <PRINT> <PRINT> <5> <5> <ENTER>.** During the mapping, all five green LEDs on the rear panel of the **Multiloop** illuminate. Once the mapping finishes, it is saved in the memory, and all the green LEDs darken.
3. Wait for 30 seconds, then press the **<PRINT>** key. The **Classnet Twist System** is now operational.

Note! Each time you switch on the **Classnet Twist Multiloop,** press the **Reset** button located on the rear panel of the TCU.

When using **Minicom's AristoClass** Software see the last page of this Guide.

When a **Classnet** command is sent to a loop, the green LEDs near the RJ45 connectors of that loop illuminate.
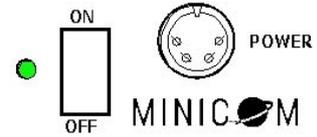
**Figure 1 The Multiloop front view**
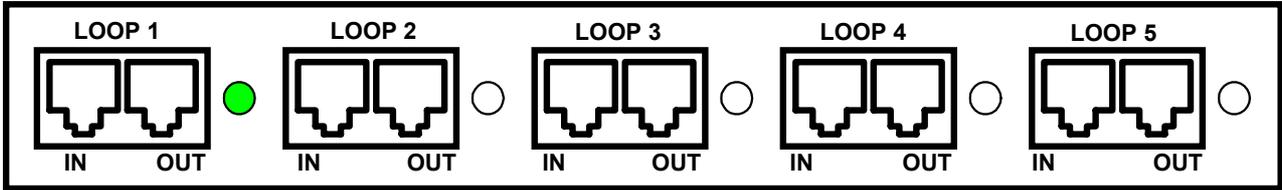
Figure 2 The Multiloop rear view

Below is an example of the **Classnet Twist Multiloop** installed in a classroom containing one Teacher and 63 Students.
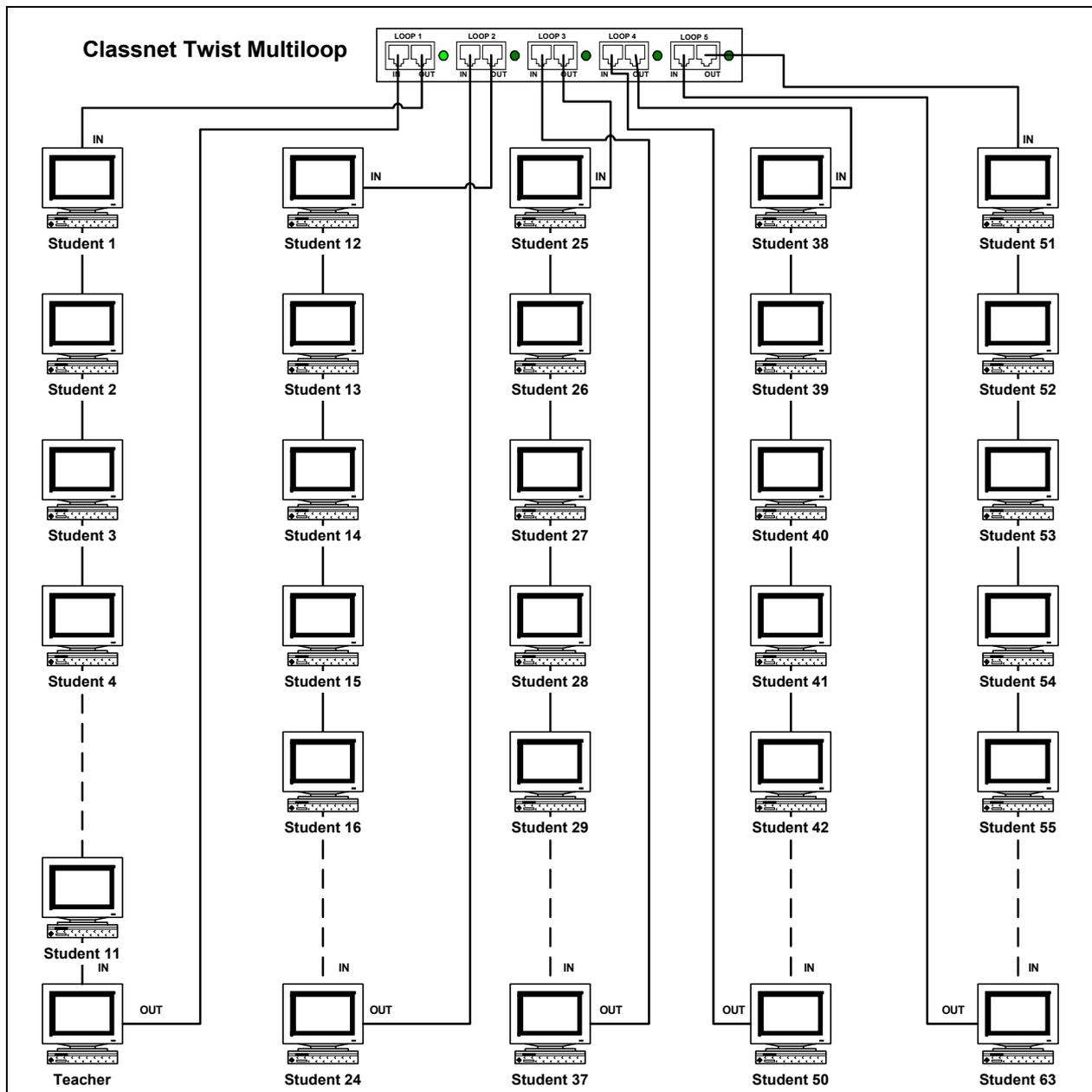

Figure 3 The Classnet Twist Multiloop Configuration

Mapping the Classroom layout using the AristoClass Software

1. Open the **AristoClass** Teacher main window.
2. From the **File** Menu choose **Setup**. The Setup window appears.
3. Click the **Classnet** tab. The **Twist System Configuration** box appears. See Figure 4.
4. Click the **Send MultiLoop Seq.** button. The mapping starts. During the mapping, all five green LEDs on the rear panel of the **Multiloop** illuminate. Once the mapping finishes, it is saved in the memory, and all the green LEDs darken
5. Wait for 30 seconds and click **Exit**.
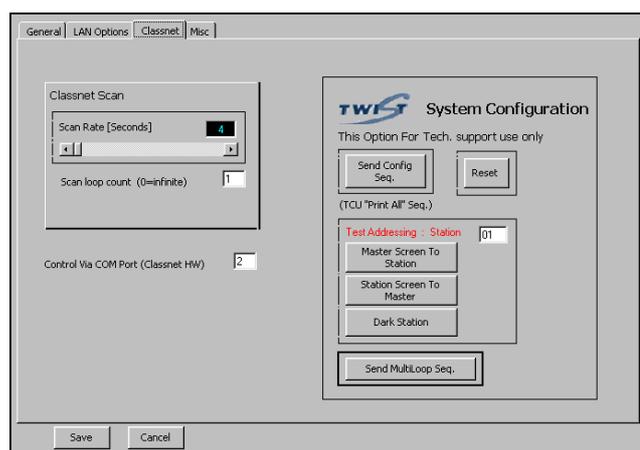
Figure 4 The Twist System Configuration box

Reminder!

Always perform the classroom mapping procedure every time you change the classroom setup.

Classnet Twist Multiloop Order Information

The **Classnet Twist Multiloop** comes in two versions – 220VAC and 110VAC.

Order code	Description
0CL41009	Classnet Twist Multiloop 220VAC
0CL41010	Classnet Twist Multiloop 110VAC