

## THE AFFORDABLE DIGITAL LANGUAGE LEARNING SOLUTION



*User Audio Panel*

**Sanako Lab 100 is a versatile language learning center that only requires one computer - the teacher's. Students are equipped with durable, low cost and simple to operate User Audio Panels with high-quality digital audio that is ideal for language learning.**

### Easy-to-use language lab

With Sanako Lab 100, the teacher will have a user-friendly and dynamic system. This innovative language lab provides a variety of instructional modes that guide the teacher through the lesson. In Lab 100, the teacher doesn't have to worry about making a wrong move, since only those controls that are necessary for a particular phase of a program are available at that time. Lab 100 offers effective and fun tools for communication, instruction and student assessment.

### Minimum maintenance

This modular system is quickly installed, and requires very little maintenance - the User Audio Panels do not need updating. Additionally, since no separate hardware is needed, compatibility of different system components will never be an issue.



*Sanako Lab 100 software*

# 100 LAB



## CONDUCT LESSONS EFFECTIVELY

### ACTIVITY-BASED APPROACH

The Lab 100 language learning center offers a wide variety of learning activities to choose from, such as Pairing, Listening Comprehension and AP® exam. Each activity is pre-programmed with all necessary options for functions, whether it be recording, playing a CD or using an analog cassette tape from an external source.

The teacher has total control of the student User Audio Panel regardless of the activity. Default settings for each activity match the task, but may be changed to select or deselect the recording function for both the master and student track(s).

### SESSIONS

For each session, the teacher can initiate different activities for the students to work on.

The Lab 100 sessions are color-coded, and the teacher can easily view relevant information to follow and guide their students' progress.

### MANY WAYS TO COMMUNICATE IN THE LAB

With Sanako Lab 100, the teacher can control the entire class and communicate with an individual, a pair, or a group of students, without disturbing the others. For instance, the Random Pairing option or the Phone Conversation activity can be used to pair two students together for conversation practise. All other students can be involved in a completely different activity.

### DIGITAL AND ANALOGUE PROGRAM SOURCES

In the Sanako Lab 100 sessions, audio sources can include any digital media that the teacher accesses through their computer or any shared network resource. Auxiliary sources, such as MP3, CD Audio and audio/video cassette players, can also be connected through a Program Source Interface.

### TESTS

#### Recorded Response

Student performance can be monitored and assessed by recording individual responses.

#### AP® Exam (United States)

Lab 100 allows you to administer state and national certified activities such as AP® oral exams. Lab 100 is specially designed to set up, test and collect student AP® responses.

#### Quiz

With Lab 100's Quiz function, you can easily add multiple-choice and true/false exercises to your teaching plan. A Graphical Display of test results in real-time is provided, and a complete test report can be printed.

### SELF STUDY

The teacher can allow students to operate their digital Lab 100 User Audio Panels to work with the program individually and at their own pace. The teacher can assign audio files or an external program source for individual study. At the end of the session, the students' recordings can be collected and saved.

#### Lab 100 Library Mode

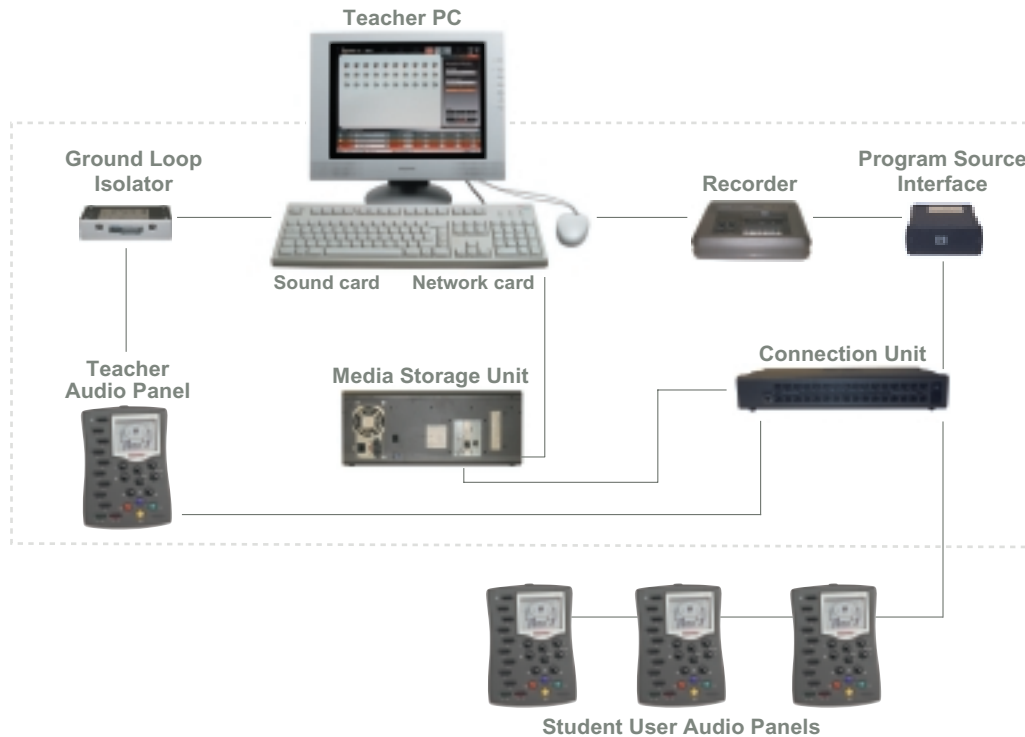
In Library Mode, the teacher can send the same file to every student, or a different file to each. Even if the students all have the same file, they will be able to work independently with their own copy.

#### Lab 100 Audio-on-Demand

The teacher can provide the students with a selection of "audio-on-demand" material that they can then access at their own pace.



## AN EASY TO INSTALL LANGUAGE LAB



### PRODUCT STRUCTURE

#### Teacher position components

The **Sanako Lab 100 Software** is easy to install onto the teacher PC.

**Connection Unit** connects User Audio Panels (both teacher's and students') with program source audios. Depending on the model, the Connection Unit contains either 32 or 64 ports.

**Media Storage Unit** is a media warehouse, where the master tracks can be saved or copied to/from. Once stored in this unit, the saved audio files can be used by the teacher or the students. Depending on the model, the maximum storage capacity is either 120 or 240 hours of program files, which can be extended by using shared network areas.

**Teacher Audio Panel** connects the teacher's headset to the system. With the Teacher Audio Panel, the teacher can adjust the volume for his/her headset and for the program.

**Program Source Interface** connects external source devices (such as MP3 player, tape recorder, etc.) to the Connection Unit.

#### Student position components

**User Audio Panel** and a **Headset** at each student position are the components students use to participate in a Sanako Lab 100 class.

#### Other components

**Serial Interface Unit** (optional) is needed if the system doesn't include a Media Storage Unit. The Serial Interface connects the teacher PC to the Connection Unit. This way Lab 100 can be used as an Audio-Active/Level II Lab.

**Ground Loop Isolators** are needed for every PC position for compensating the ground level differences between the audio signal systems. Standard CAT 5 cables are used for connecting User Audio Panels and Program Source Interface to the Connection Unit.

**Video** source can be integrated into the Lab 100 system and used as program source in the Lab 100 sessions.



Headset TLH082

# TECHNICAL SPECIFICATIONS

## SANAKO LAB 100 SYSTEM COMPONENTS

- Lab 100 software (LSW100)
- Media Storage Unit (MSU032/MSU064)
- Connection Unit (SCU032/SCU064)
- Program Source Interface (PSI001/PSI002)
- User Audio Panel (UAP030/UAP031/UAP035)
- Cable (CAB100)
- Serial Interface (SSI100)
- Ground Loop Isolator (GLI100)
- Lab 100 Master recorder (CRE100/CRU100)
- Headsets (TLH082/TLH090)

## CONNECTION UNIT

- Operating voltage ~100-240 V, 50-60 Hz, 100 W max (1+31 students)
- 200 W max (1+63 students)

## USER AUDIO PANEL

- Headset TLH 082, TLH 090, Connectors 2 modular 6 pin
- Audio Source Connector Line In, Line out
- Volume Adjustment separate for both channels 12 steps
- Frequency Response 20 Hz - 15 kHz +/- 3dB
- Distortion <1%, 1 kHz, 0 dBV S/N >70 dBA, 1 kHz, 0 dBV
- Microphone Input Impedance 2.2 kohm
- Nominal level 30 mV
- Headphones Output Impedance 200 ohm
- Nominal level -10 dBV

## MEDIA STORAGE UNIT

- Operating voltage ~115/230 V, 50 – 60 Hz , 360 W max
- 150W Nominal
- Sampling rate 32 kHz

## PROGRAM SOURCE INTERFACE

- Line In, Line Out
- Isolation On/Off switch
- Max Isolation 3 Vpp
- Line Input 47 kohm, -10 dBV
- Line Output 1 kohm, -10 dBV

## HEADSET (TYPICAL)

- Microphone 30 mV/2.2 kohm (+6V), electret
- Headphones impedance 200 kohm
- Nominal level -10 dBV (0.3 V)

## CABLE

- Student cable CAT-5 UTP
- Wiring T568A
- Connector RJ-45



Headset TLH090

## MINIMUM SYSTEM REQUIREMENTS FOR THE TEACHER COMPUTER

- Microsoft® Windows 2000 or Windows XP Professional
- Pentium 733 MHz
- 128 MB RAM
- Resolution 1024 x 768 or higher and 16-bit color
- 15-inch monitor
- Sound Card
- CD-ROM
- Mouse
- Network Interface Card
- MediaPlayer 7.0 or later

## SOFTWARE MAINTENANCE (OPTIONAL)

Software Maintenance gives added value to the customer's technology investment. Software Maintenance allows Sanako software users to receive updates that are available in the coverage period without paying an update charge.

Sanako works with its customers to ensure long-term customer success and satisfaction. For further information on Software Maintenance and pricing, please contact your local representative.

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