

# Language Learning System

## Proposal of Listening Station series

July, 2009

*Vamos Corporation*

## We need Language Learning System - - - -

Computer assisted system is over the budget - -

What is the best system for our school?

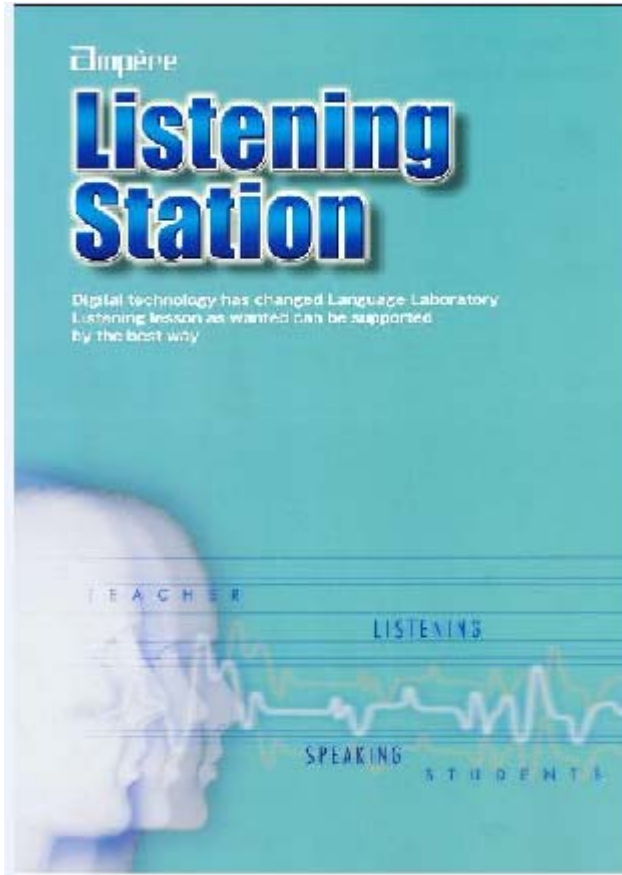
Cassette LL became too old for use.

If the operation is difficult - - -

We want to step up listening and speaking



# We found !!



# Features

**Eco-friendly products**

**Easy operation**

**Utilization of the property**

Desks, Equipment, Teaching materials

# Comparison of initial cost and running cost

|                               | <b>Listening Station</b>                          | <b>Computer Assisted LL</b>         |
|-------------------------------|---|-------------------------------------|
| <b>Life Cycle</b>             | <b>About 10 years</b>                             | <b>4 - 5 years</b>                  |
| <b>System Controller</b>      | <b>Not necessary</b>                              | <b>Necessary</b>                    |
| <b>Maintenance Costs</b>      | <b>Small</b>                                      | <b>Large</b>                        |
| <b>Power Consumption</b>      | <b>350(W)</b><br>PC1set x 300W + 40 student units | <b>12,300(W)</b><br>PC41sets x 300W |
| <b>Installation of Cooler</b> | <b>Not necessary</b>                              | <b>Necessary</b>                    |
| <b>System Price</b>           | <b>Economical</b>                                 | <b>Expensive</b>                    |

# Listening Station is eco-friendly system

## Listening Station

## Computer Assisted LL

Transportation



Corrugated cardboard box X 6



2t truck

Transportation cost

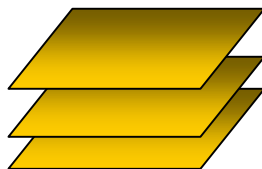


J. Yen 8,800

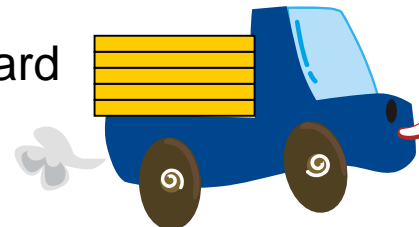


J. Yen 64,000

Disposal



Corrugated cardboard Box X 6

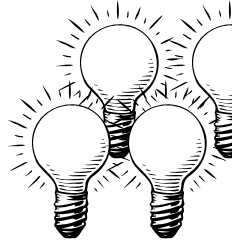


2t truck

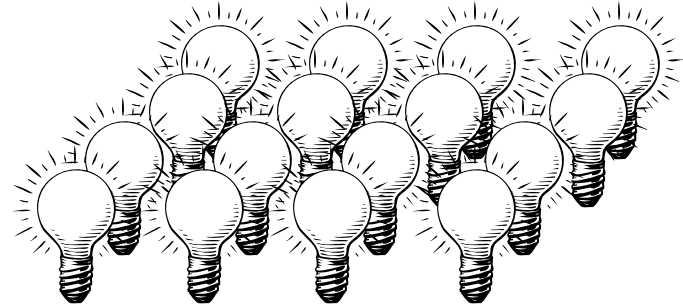
# Listening Station

# Computer Assisted LL <sup>ampEre</sup>

## Electricity Consumption



100W electric bulb  
X 3.5

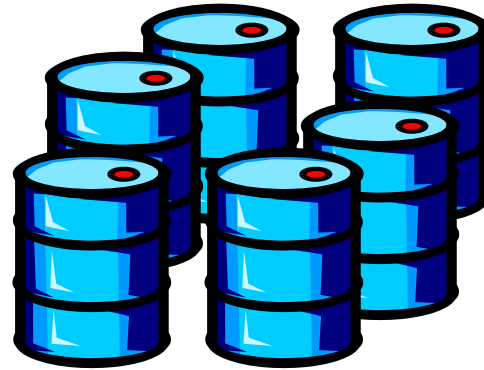


100W electric bulb  
X 123

## CO2



190kg/year



6700kg/year

## Electricity Charge

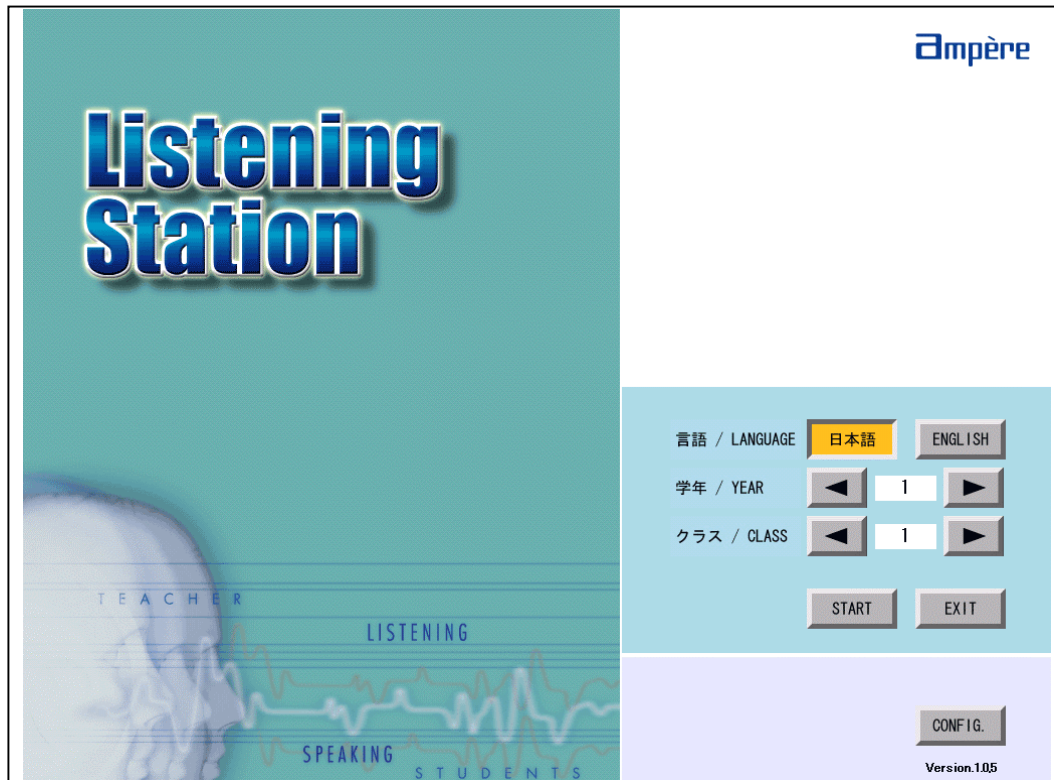


J. Yen  
6,800/year



J. Yen  
240,000/year

# Application startup screen



You can choose  
Japanese or English.

- (1) LANGUAGE
- (2) YEAR (Grade)
- (3) CLASS
- (4) START / EXIT
- (5) CONFIG



# Main Screen

Thanks to big buttons,  
operation is very easy.

The interface is divided into several functional areas:

- ATTEND:** Buttons for ATTEND and SAVE.
- PROGRAM SELECT:** Buttons for AUX, AUX+MIC, MEMORY, MIC, PC, APEND, and CREATE FILE.
- STUDENT CONTROL:** Buttons for DISABLE OPERATION, SIMULTANEOUS, RECORD, and START POINT.
- REC TIME:** 2m. 34s. (5m.)
- GROUPING:** Buttons for CREATE GROUP and CONFERENCE.
- DRILL:** Buttons for DRILL MONITOR, ERASE, and FIX.
- MODES:** SENTENCE MODE and TIME MODE (selected).
- FILE INFO:** FILE No. 1, TIME 7 m. 8 s., TOTAL TIME 12 m. 17 s.
- MATERIAL CONTROL:** Playback and recording control buttons.
- STATUS BAR:** 1 Y. 1 C. 48, CALL CLEAR, MODEL, SCANNING MONITOR, INTERCOM, ALL CALL, ROOM SPEAKER, LISTENING, and OVERRIDE.

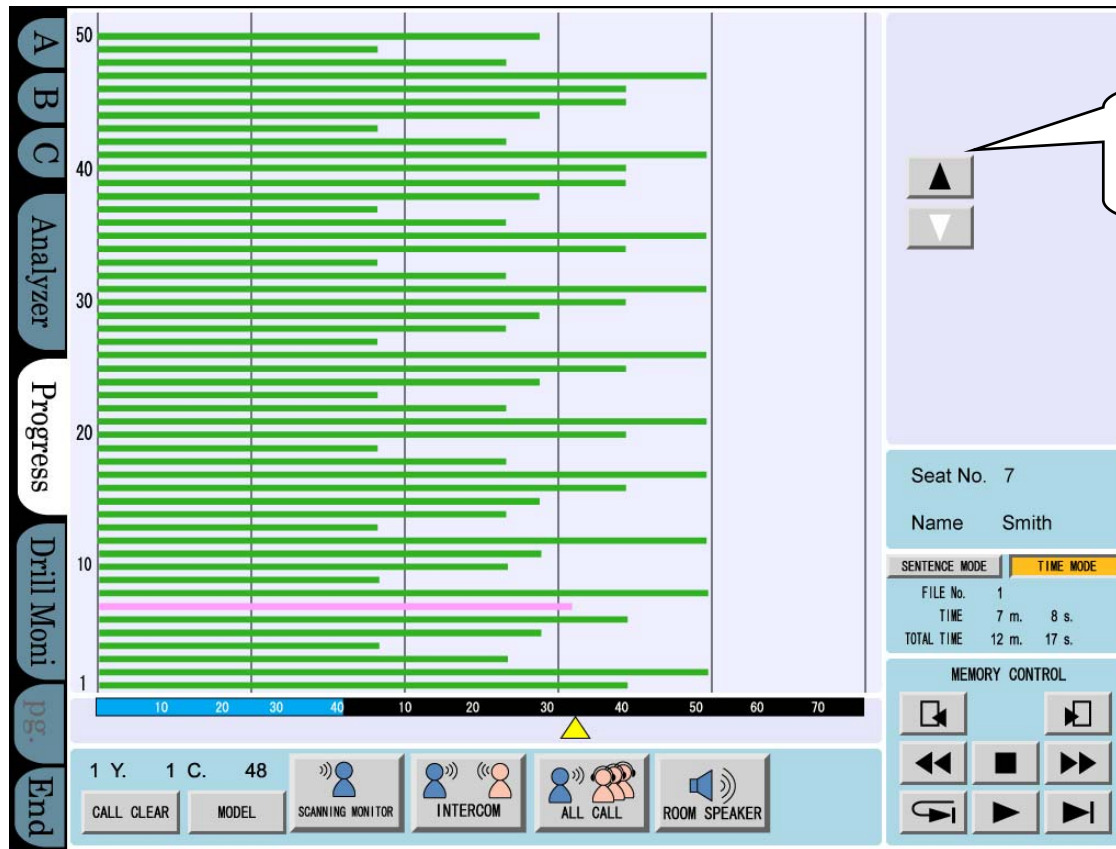
**Analyzer Progress Drill Moni pg. End**

**FILE NAME : text1.wav**

|                |                 |                 |                 |                 |                 |
|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| 8 G01<br>***** | 16 G01<br>***** | 24 G01<br>***** | 32 G01<br>***** | 40 G01<br>***** | 48 G01<br>***** |
| 7 G01<br>***** | 15 G01<br>***** | 23 G01<br>***** | 31 G01<br>***** | 39 G01<br>***** | 47 G01<br>***** |
| 6 G01<br>***** | 14 G01<br>***** | 22 G01<br>***** | 30 G01<br>***** | 38 G01<br>***** | 46 G01<br>***** |
| 5 G01<br>***** | 13 G01<br>***** | 21 G01<br>***** | 29 G01<br>***** | 37 G01<br>***** | 45 G01<br>***** |
| 4 G01<br>***** | 12 G01<br>***** | 20 G01<br>***** | 28 G01<br>***** | 36 G01<br>***** | 44 G01<br>***** |
| 3 G01<br>***** | 11 G01<br>***** | 19 G01<br>***** | 27 G01<br>***** | 35 G01<br>***** | 43 G01<br>***** |
| 2 G01<br>***** | 10 G01<br>***** | 18 G01<br>***** | 26 G01<br>***** | 34 G01<br>***** | 42 G01<br>***** |
| 1 G01<br>***** | 9 G01<br>*****  | 17 G01<br>***** | 25 G01<br>***** | 33 G01<br>***** | 41 G01<br>***** |

# Progress Screen

Teacher can monitor the progress of a class.



Screen change button for more than 50 students

# Drill Monitor Screen

Visual monitoring of the progress of drill recording of students

The screenshot displays the Drill Monitor interface. On the left, a vertical menu contains buttons for 'A', 'B', 'C', 'Analyzer', 'Progress', 'Drill Moni', 'Pg', and 'End'. The main area features a horizontal bar chart with 50 rows, each representing a student. The x-axis is labeled '0分' to '5' and shows progress bars in green and red. A call log at the bottom left shows '1 Y. 1 C. 48' and buttons for 'CALL CLEAR', 'MODEL', 'SCANNING MONITOR', 'INTERCOM', 'ALL CALL', and 'ROOM SPEAKER'. On the right, a control panel includes buttons for 'OPER', 'ANEOUS', 'ALL DR', 'START POINT', 'DRILL', 'SAVE', 'CLEAR', 'REC TIME 2m 34s (5m.)', 'Seat No. 7', 'Name Smith', and 'DRILL CONTROL' with playback controls. A callout box points to the 'START POINT' button with the text 'Screen change button for more than 50 students'. The text 'Listening Station only' is positioned to the right of the control panel.

Screen change button for more than 50 students

Listening Station only

# Analyzer Screen

Analyzer to confirm understanding degree of a student : 5 answers

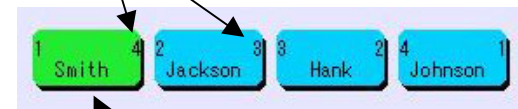
The Analyzer Screen interface includes the following components:

- PROGRAM SELECT:** Buttons for AUX, AUX+MIC, MEMORY, MIC, PC, ADD, and CREATE FILE.
- ANALIZER Table:**

|              |           |             |
|--------------|-----------|-------------|
| 1            | 24        | 50%         |
| 2            | 12        | 25%         |
| 3            | 6         | 12.5%       |
| 4            | 3         | 6.3%        |
| 5            | 3         | 6.3%        |
| <b>Total</b> | <b>48</b> | <b>100%</b> |
- QUESTION NO. 32** and **TOTAL QUESTIONS 32** with a **START/CLOSE** button.
- CONTROL PANEL:** FEED BACK, ROOM TV, CLEAR, SAVE, and navigation arrows.
- MODES:** SENTENCE MODE and TIME MODE (selected).
- FILE INFO:** FILE No. 1, TIME 7 m. 8 s., TOTAL TIME 12 m. 17 s.
- MEMORY CONTROL:** Buttons for memory management and playback.
- Bottom Panel:** 1 Y., 1 C., 48, CALL CLEAR, MODEL, SCANNING MONITOR, INTERCOM, ALL CALL, ROOM SPEAKER, LISTENING, and OVERRIDE.

Listening Station only

Display the answer number



Display the students of correct answer with Green

# Answer Display Screen

It is possible to show the result of the analyzer to students with a projector.

The PC which a video card of two screens is installed in is necessary.

Listening Station only

Projector



Analyzer

|       | Student | Percentage |
|-------|---------|------------|
| 1     | 5       | 12.5 %     |
| 2     | 20      | 50 %       |
| 3     | 5       | 12.5 %     |
| 4     | 5       | 12.5 %     |
| 5     | 5       | 12.5 %     |
| Total | 40      | 100 %      |

Information

Question No. 3  
Total Questions 10  
Answers 40  
Attendance 40

# Drill & Rev. Screen

## Scanning playback of drill recording of students

The interface is divided into several functional areas:

- Top Left (Attendance):** Buttons for '出欠席' (Attendance), '保存' (Save), and '外部' (External).
- Top Center (Recording Source):** '教材準備' (Material Preparation) section with buttons for '外部+マイク' (External+Mic), 'マイク' (Mic), 'P C', 'メモリー' (Memory), '追加' (Add), and 'ファイル作成' (File Creation).
- Top Right (Student Unit):** '学習者ユニット' (Student Unit) section with '操作禁止' (Operation Prohibited), 'サイマル' (Simul), '録音' (Recording), and 'スタートポイント' (Start Point) buttons.
- Center (Drill Grid):** A grid of 48 student drill recordings, each represented by a blue box with a number (1-48) and '001'. The box for drill 7 is highlighted in pink.
- Right Side (Playback Controls):** '録音時間' (Recording Time) showing 2分 34秒 (5分). 'グループ' (Group) buttons for '作成' (Create) and '会話' (Conversation). 'ドリル' (Drill) buttons for 'レビュー' (Review), '部分消去' (Partial Deletion), and '切替録音モード' (Switch Recording Mode). 'センテンスモード' (Sentence Mode) and '辞書モード' (Dictionary Mode) tabs. File information: FILE No. 1, TIME 7分 8秒, TOTAL TIME 12分 17秒.
- Bottom (Classroom Management):** '教材操作' (Material Operation) buttons for navigation and playback. A status bar at the bottom shows 'FILE NAME : text1.wav', '1年 1組 48', and icons for 'CALL解除' (Call Release), 'モデル' (Model), '順送りモニター' (Next Monitor), '通話' (Talk), '一斉呼びかけ' (All Call), '教室スピーカー' (Classroom Speaker), and '教材一斉送り' (All Material Send).

Listening Station only

# Listening Screen

It makes mock condition of the listening test of “Center Examination”.  
Student can do playback one time only and cannot do other operation.

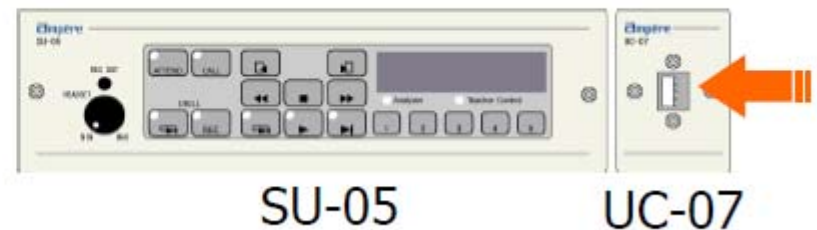
Listening Station only

The screenshot shows a software interface for a listening station. On the left, a vertical sidebar contains buttons for 'A', 'B', 'C', 'Progress', 'Drill Moni', 'Listening', 'pg.', and 'End'. The main interface is divided into several sections:

- 出欠席 (Attendance):** Includes buttons for '出欠席' and '保存'.
- 教材準備 (Material Preparation):** Includes buttons for '外部', '外部+マイク', 'マイク', 'P C', 'メモリー', '追加', and 'ファイル作成'.
- 学習者ユニット (Learner Unit):** Includes buttons for '操作禁止' (Operation Prohibited), 'サイマル' (Simulcast), '録音' (Recording), and 'テスト' (Test).
- Progress Bar:** A horizontal bar with a yellow triangle marker, showing time intervals from 10 to 70.
- Question Grid:** A grid of 48 question cards, each with a number (1-48), a code (e.g., 001), and a progress indicator (stars).
- File Information:** Shows 'FILE NAME : text1.wav', 'FILE No. 1', 'TIME 7分 8秒', and 'TOTAL TIME 12分 17秒'.
- Mode Selection:** 'センテンスモード' (Sentence Mode) and '時間モード' (Time Mode).
- 教材操作 (Material Operation):** Includes playback controls like 'MOUSE', 'STOP', 'PLAY', 'REPEAT', and 'SKIP'.
- Bottom Status Bar:** Shows '1年 1組 48' and various system icons like 'CALL解除', 'モデル', '順送りモニター', '通話', '一斉呼びかけ', '教室スピーカー', and '教科一斉送り'.

# Copy Screen

With using UC-07 (option), teaching materials and drills of students can be copied to a USB memory of each student.







# Main functions of operation screen

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- ★ Listening of the sound materials
- ★ Monitoring of drills of students by a teacher
- ★ Conversation between a teacher and students
- ★ All call to students
- ★ Drill recording
- ★ Group conversation ( 2 – 8 students: row, column, random)
- ★ Listening of model student
- ★ Simultaneous translation function

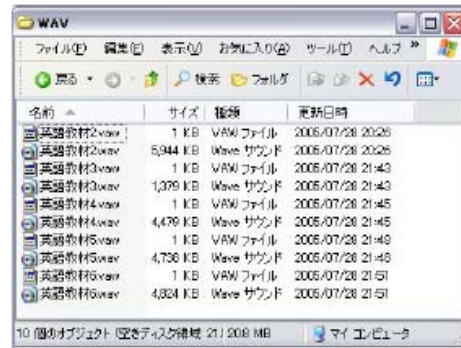
# Data Storage

## Attendance



CSV file

## Audio Teaching Materials



WAV file

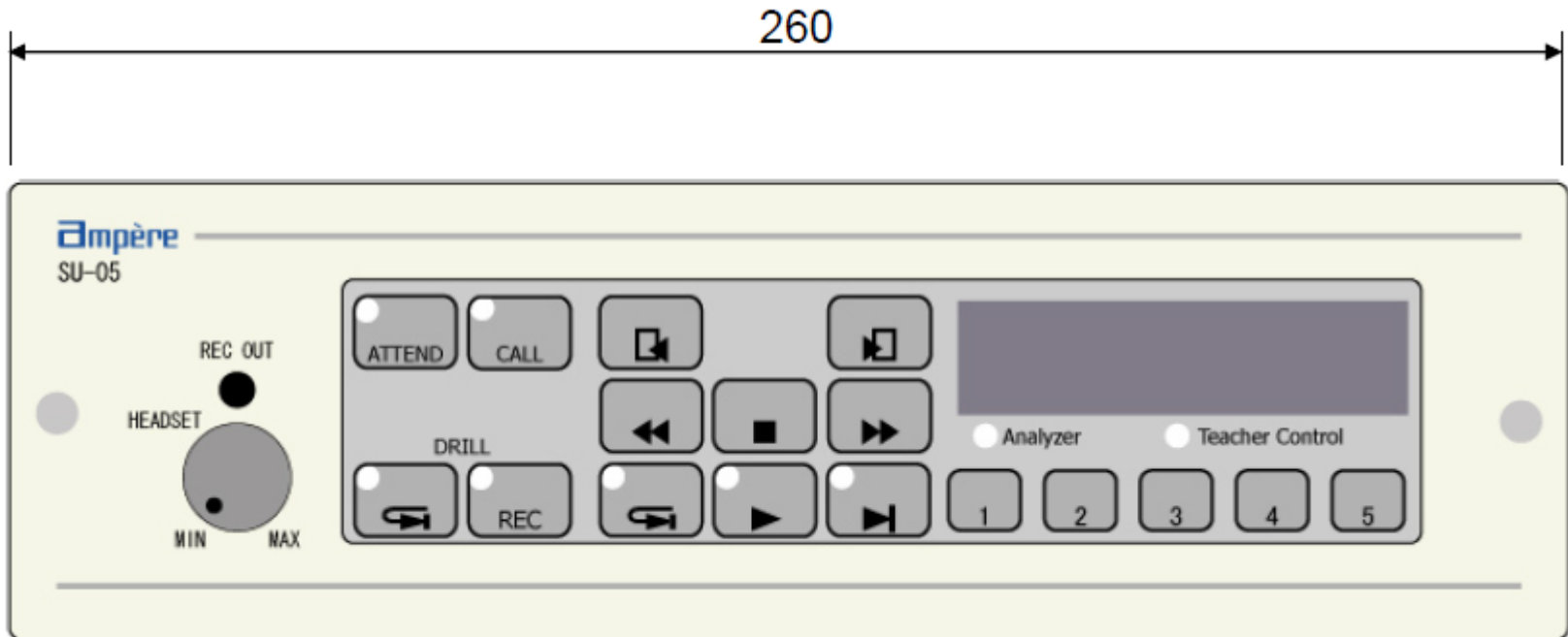
## Drill Recording



Class+Seat No.+Name.WAV

# Student Unit: SU-05

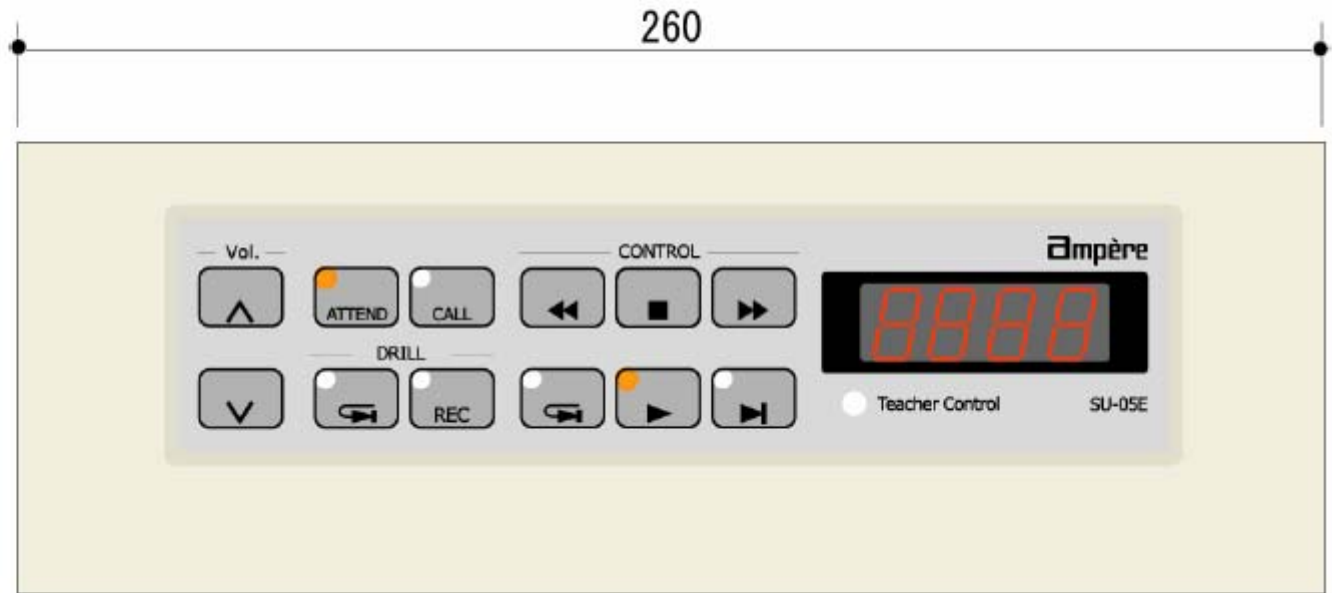
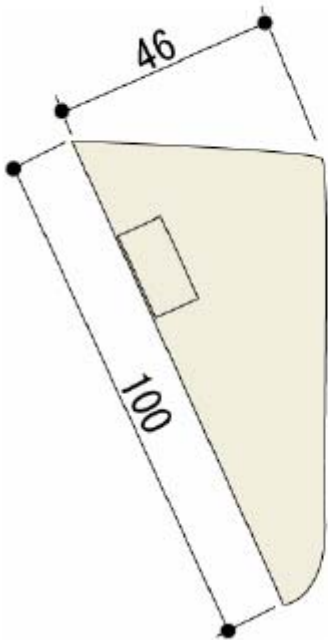
Listening Station only



It has no moving parts different from a tape deck and there is very few trouble thanks to the tough construction. Students can bring back the copy of the teaching materials and drills with USB memory. (Optional USB client unit is necessary.)

# Student Unit: SU-05E

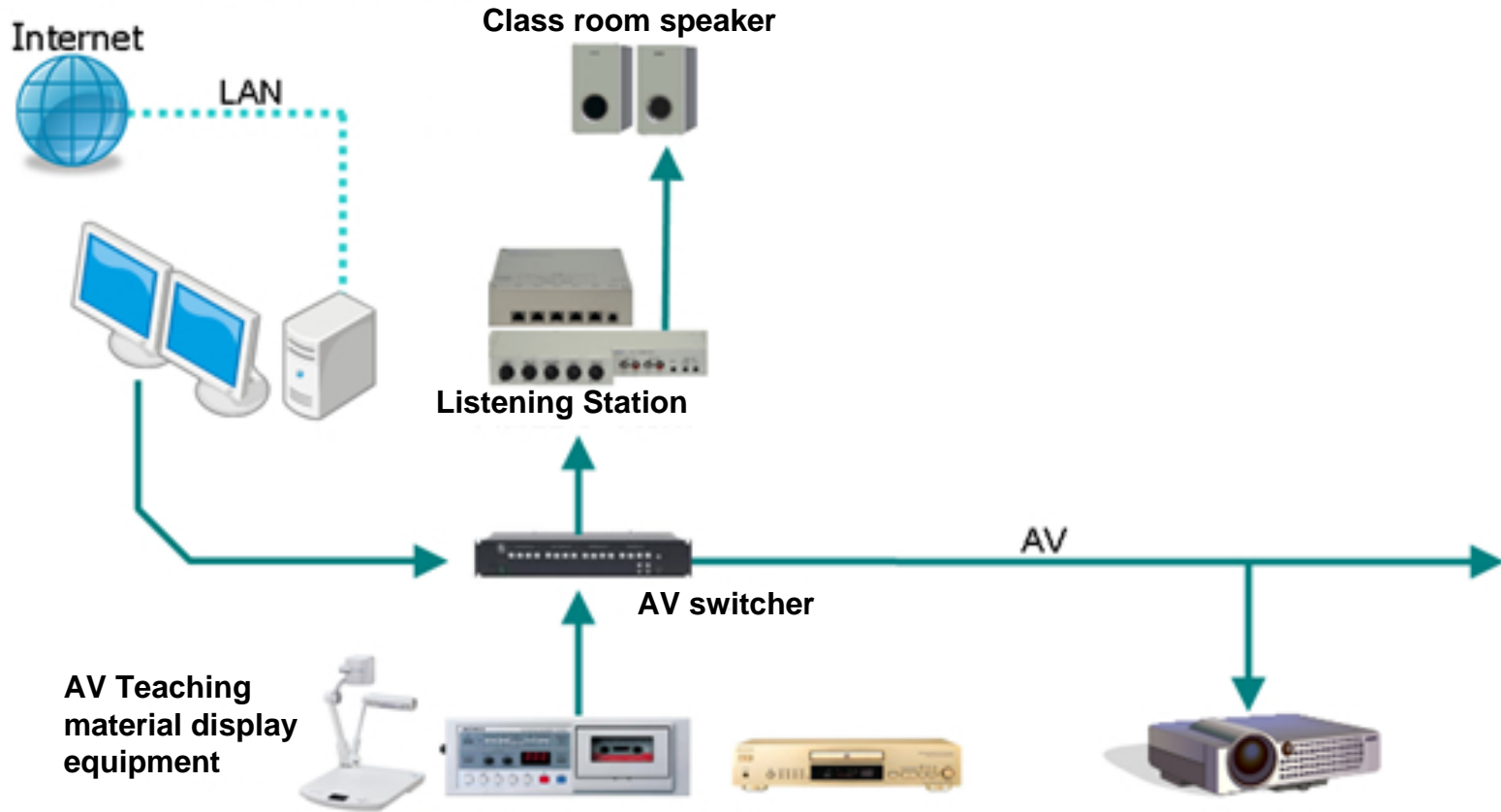
Listening Station II only



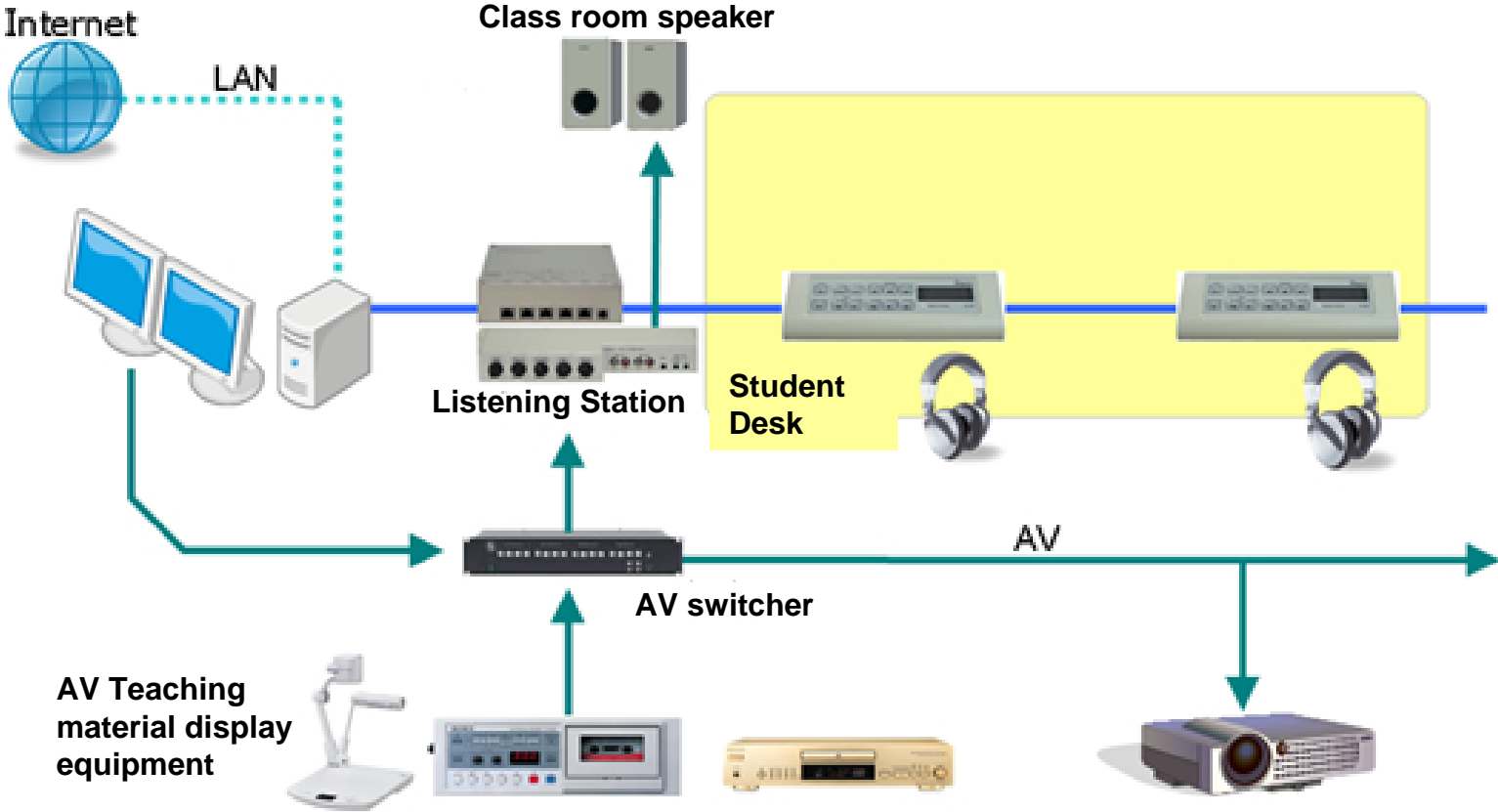
It has no moving parts different from a tape deck and there is very few trouble thanks to the tough construction. Students can bring back the copy of the teaching materials and drills with USB memory. (Optional USB client unit is necessary.)

# Audio Visual class

When PC for LL is not turned on, audio visual equipment can be operated and it is possible to open Audio Visual class.

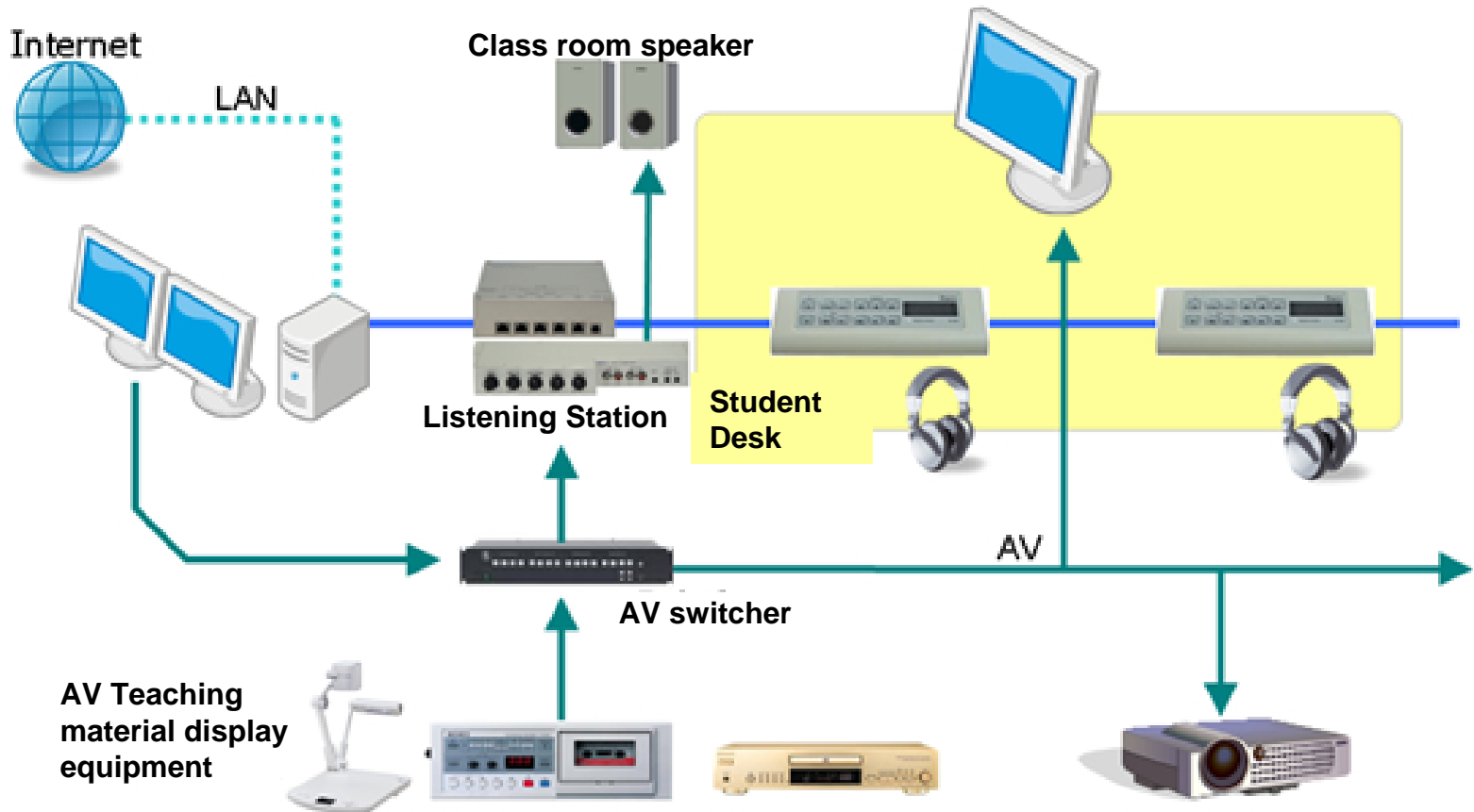


# Language Learning class



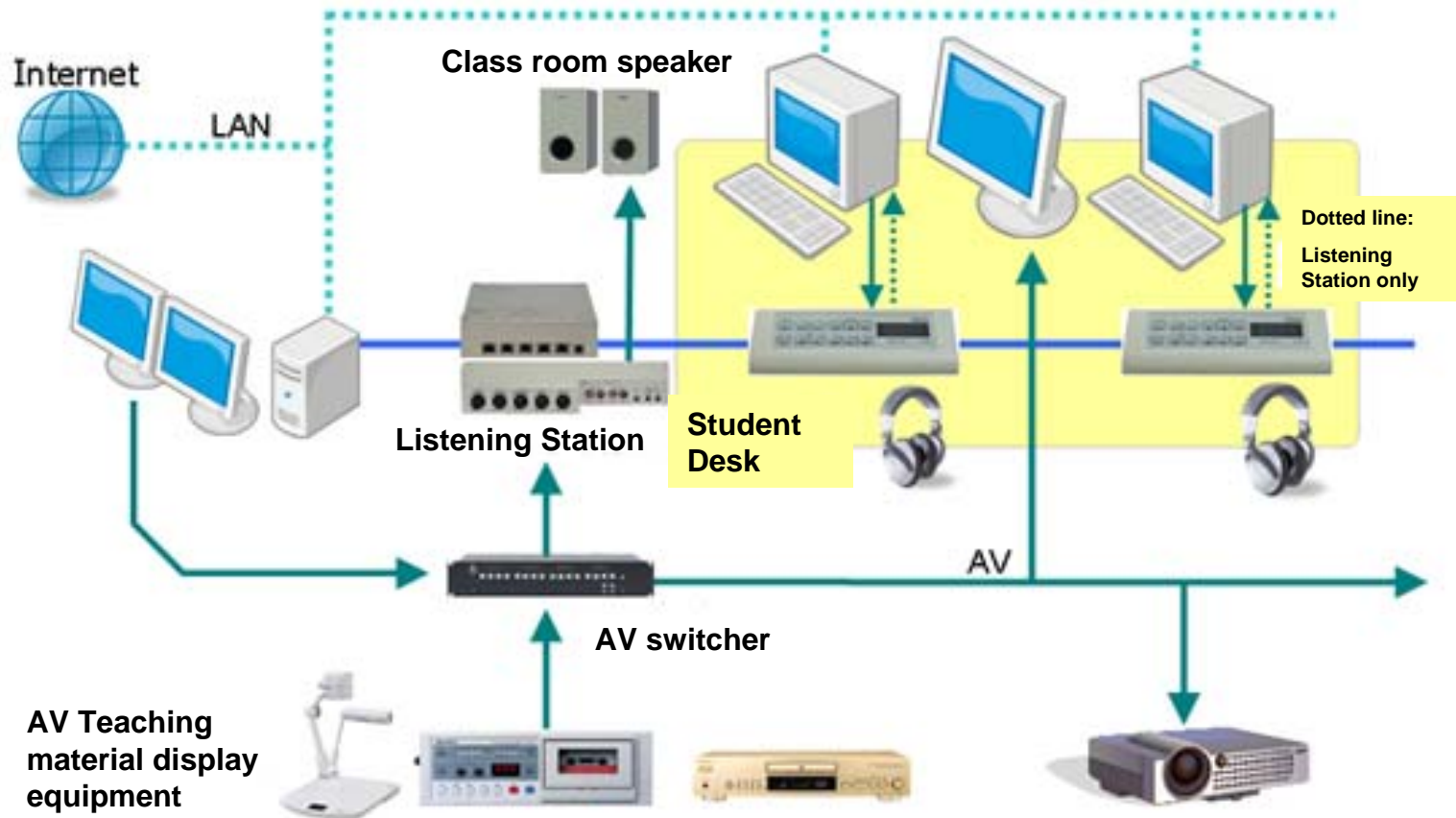
# Center Monitor

Picture of Word, Excel, Internet can be displayed by a center monitor



# Student PC

The sound of student PC can be monitored through Listening Station.





# Sentence Editor Screen

Supplied as standard

It is easy to make the voice material and edit it with monitoring the waveform.

The screenshot displays the 'Sentence Editor' software interface. At the top, it shows 'Cursor / Total Time' as '00 : 02'32" / 00 : 07'21"'. Below this is a waveform display with a green vertical line indicating the current cursor position. Two red triangles mark points 21 and 22 on the waveform. A table below the waveform lists sentences with their respective times and comments.

| No. | Time      | Comment |
|-----|-----------|---------|
| 10  | 00:01'00" |         |
| 11  | 00:01'13" |         |
| 12  | 00:01'20" |         |
| 13  | 00:01'24" |         |
| 14  | 00:01'30" |         |
| 15  | 00:01'42" |         |
| 16  | 00:01'50" |         |
| 17  | 00:01'53" |         |
| 18  | 00:02'12" |         |
| 19  | 00:02'14" |         |
| 20  | 00:02'20" |         |
| 21  | 00:02'27" |         |

The interface also includes a 'File' menu with buttons for 'CREATE NEW', 'OVERWRITE & SAVE', 'OPEN FILE', and 'SAVE FILE'. An 'Edit' menu contains 'CUT', 'PASTE', 'COPY', 'UNDO', and 'INSERT SILENT ZONE' (set to 1.0 s). A 'Mark' menu includes 'INSERT SENTENCE MARK', 'CUT SENTENCE MARK', 'AUTO MARKING', 'Silent Zone' (set to 0.7 s), and 'Silent Level' (set to 5%). On the right side, there are volume sliders for 'Rec Volu' and 'Play Volu', a 'Phone' dropdown, and playback controls including a red record button, stop, play, and fast forward buttons, and a loop button.

It is possible to edit the sentence such as divide, join together, delete, copy, etc.

It is possible to make and edit the sentence by other PC.

# Ampere Standard Desk

Simple desk surface



Listening Station

# Center Monitor



Dropping of the desk stand part

**Listening Station**

Customize according to the monitor





# Comparison of Listening Station and Listening Station II

| General   |  | Listening Station | Listening Station II |
|-----------|--|-------------------|----------------------|
| Analyzer  | Analyzer function  | Yes               | No                   |
| DrillMoni | Monitoring of drill progress   | Yes               | No                   |
| Drill&Rev | Simultaneous start of drill recording.<br>Scanning monitoring drill review | Yes               | No                   |
| Listening | Student can only hear the material.  | Yes               | No                   |

| Preparation of teaching materials |                                    | Listening Station | Listening Station II |
|-----------------------------------|------------------------------------|-------------------|----------------------|
| Number of file                    | Storable number of files in memory | 99                | 1                    |

| Operation of teaching materials in memory |                 | Listening Station | Listening Station II |
|---|-----------------|-------------------|----------------------|
| File forward                              | Forward by file | Yes (up to 99)    | No                   |
| File back                                 | Back by file    | Yes (up to 99)    | No                   |

| Preparation of teaching materials |                                  | SU-05   | SU-05E  |
|-----------------------------------|----------------------------------|---|---|
| FF button                         | Forward by file                  | Yes   | No  |
| FB button                         | Back by file                     | Yes   | No  |
| Counter display                   | File number                      | Yes   | No  |
| REC OUT                           | Playback of materials and drills | Yes   | No  |
| AUX OUT                           | External AUX output              | Yes   | No  |
| Installation                      |                                  | <br>Embedding | <br>Desk top |