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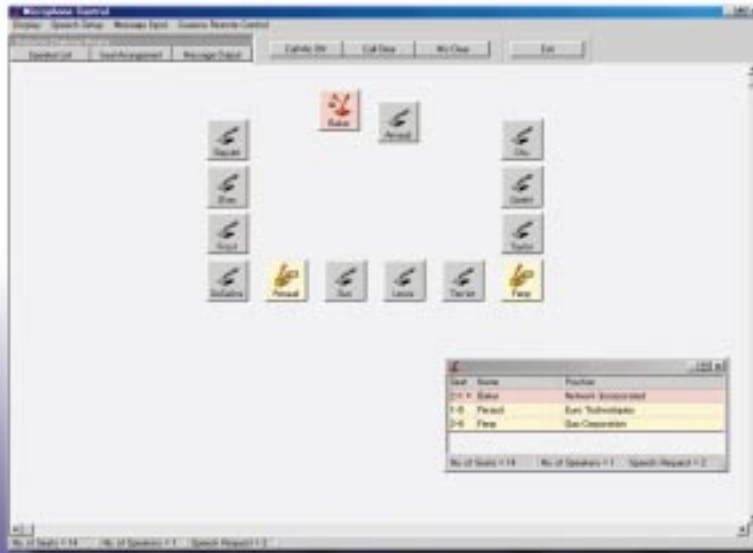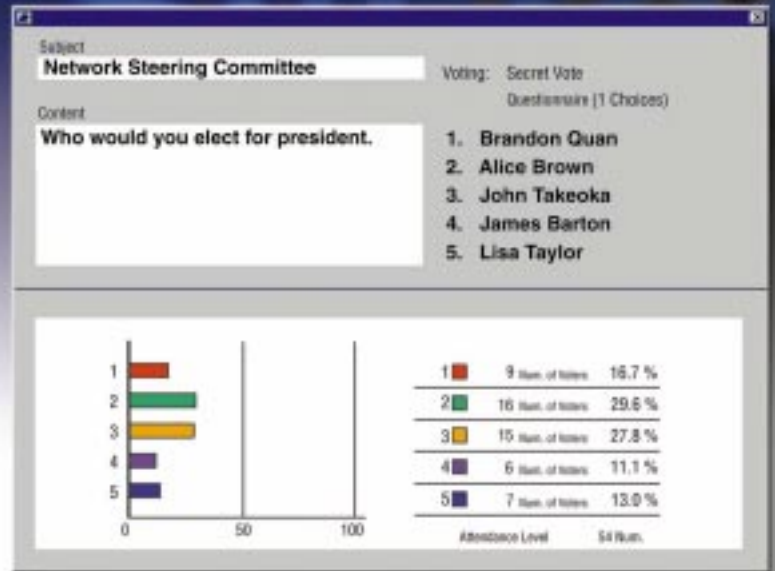
Conference System
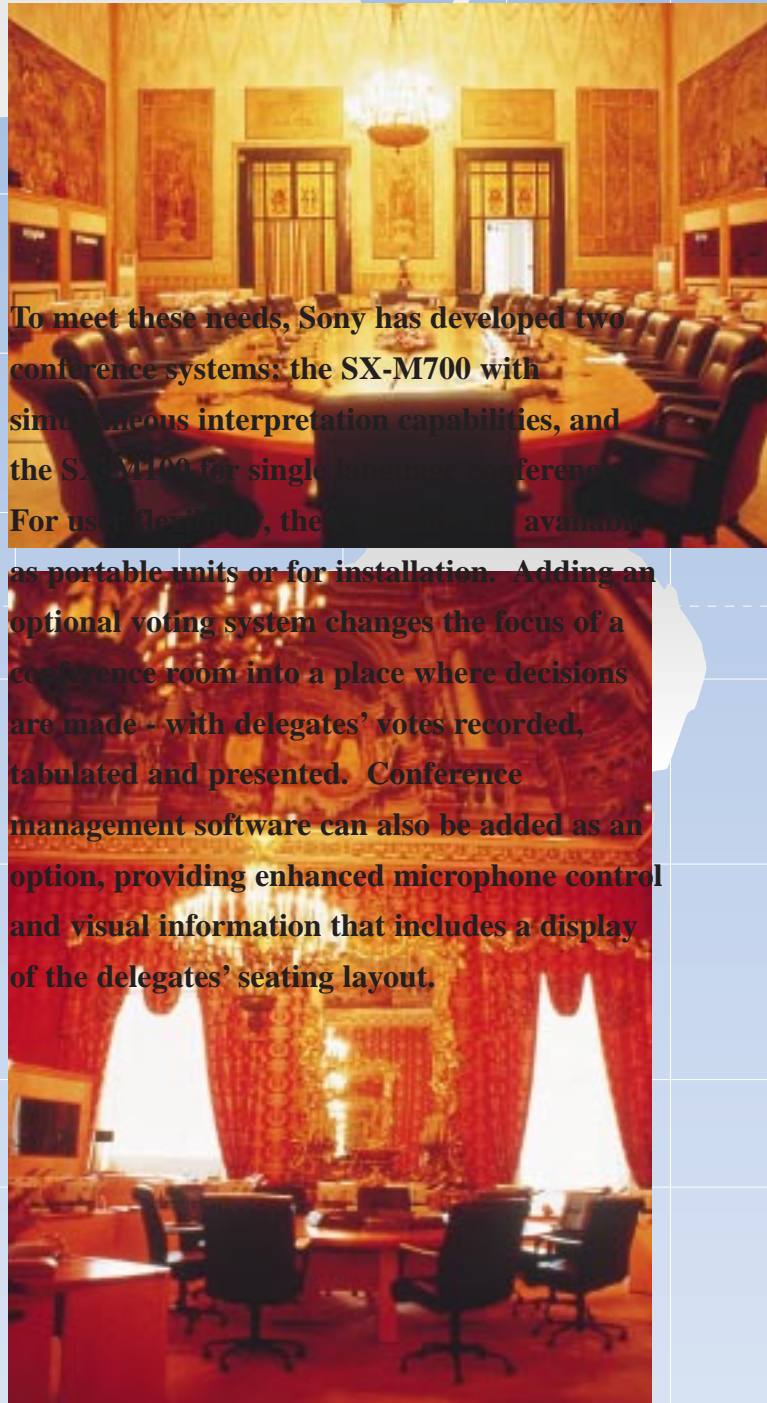
SX-M700/SX-M100 System

Conference Management Do it the Sony Way

The superb performance of Sony conference systems has led to their widespread use at major international conferences and summit meetings - winning critical acclaim from governments and institutions world wide. Sony market leadership is the result of long term experience and active commitment to audio technology, and a real understanding of the needs of the conference environment.

with Style -

To meet these needs, Sony has developed two conference systems: the SX-M700 with simultaneous interpretation capabilities, and the SX-M100 for single language conferences. For use elsewhere, they are both available as portable units or for installation. Adding an optional voting system changes the focus of a conference room into a place where decisions are made - with delegates' votes recorded, tabulated and presented. Conference management software can also be added as an option, providing enhanced microphone control and visual information that includes a display of the delegates' seating layout.

Features

Easy and Convenient Operation for Smooth, Controlled Conference Proceedings

The SX-M700 and SX-M100 Systems help to enhance conference proceedings with simple design and easy operation. One touch operation on individual delegates' units allows for unobtrusive conference participation. Flexible microphone design provides optimum speech pick-up for clear, crisp audio communication.

When using the SX-M700 at international conferences, language translation is easy using the six way channel selector. The interpreter unit control panel buttons are equipped with LED illumination so that the interpreters can easily check the status of their unit, even in low ambient light conditions.

The optional voting system and its associated software allows votes to be stored and analyzed. Optional conference management software is another valuable tool in the smooth running of a conference, displaying delegate seating and microphone status.

Superb Sound Performance Inherited from the Sony Commitment To Audio Technology

High sound quality is essential at conferences where important discussions take place and where every word has to be heard without ambiguity. A key advantage of the SX-M700 and SX-M100 is advanced Sony audio technology which has an enviable, world-wide reputation.

These systems not only have high quality specification, they also are specially designed to match human auditory characteristics to provide clarity and natural sound quality. As a result, conference participants can take part in long discussion sessions without suffering listener fatigue. To further maintain sound quality, both the chairperson's and the delegates' units have long, flexible microphone mountings providing excellent sound pick-up from virtually any direction. A Howl Suppression function is also included which mutes loudspeakers which are adjacent to a 'live' microphone thus enhancing the overall sound.

Applicable in Any Kind of Conference Setting

■ For Permanent or Temporary Conferences

Conferences are held in various venues: from formal boardrooms to more informal settings. Two styles of chairperson and delegate units are available for the SX-M700 and SX-M100 system. They include an flush-mount-type (SX- C750/D750/C150/D150) and a portable style (SX- C700/D700/C100/D100). The flush-mount-type units are suitable for custom installations where the conference system remains permanently in the room.

The portable units are ideal for those that need to move the temporary system from room to room, even on a daily basis, and enables virtually any suitable venue to be quickly converted into a sophisticated conference room.

These units are simple to install, without the need for any specialized, time consuming connections. This type system is a perfect solution for rental applications because of the simplicity of installation and dismantling.

■ For Multilingual or Single Language Conferences

Multilingual interpretation is an essential part of today's international conferences. To meet the demand for simultaneous multilingual interpretation, Sony has designed the SX-M700 System with the capability of handling six different languages.

Providing essential functions for simultaneous translation - including a CALL switch, SLOW switch, COUGH CUT switch, a RELAY Interpretation function and much more - the SX-M700 also offers user-friendly operation and high sound quality, features that are of vital importance to interpreters.

Functional buttons are ergonomically arranged on the interpreter unit control panel to greatly reduce the chance of misoperation during critical conference debates.
If multilingual discussion is not required, the SX-M100 System should be chosen.

■ Optional Voting system

Decision making is critical to many conferences. By incorporating the optional Chairperson and Delegate Voting Units (SX-CV10/DV10) with the conference system, voting becomes an integral part of the conference. The system is controlled by a personal computer, designed to organize conference by topic and to tabulate voting results easily and simply on a monitor screen. The voting units can be used as flush-mount-type or portable table top units depending upon the installation requirements.

■ Optional Conference Management System

Effective control of delegates' microphones is a key element in the smooth running of a conference. Conference Management software, running on a PC, enables a graphic layout of delegates' seating to be easily created and modified. Also, the chairperson or operator can see at a glance who is requesting to speak. It can be used with the SX-S100/S150 Microphone Control Panel.
This software can enhance a conference system even further by controlling video cameras so that they will show the person speaking.

Other

● Integrates with other Sony conference products for system versatility:
   Monitoring systems
   Infrared and Induction systems
   Microphone control panels.

SX-M700 System

Simultaneous Interpretation System

The SX-M700 Simultaneous Interpretation Conference System is a fully featured system including six-language interpretation capability, easy operation, a Howl Suppression function, a Telephone Coupler function and much more.

The system components include the Sony SX-M700 Control Unit, SX-C700A/SX-C750 Chairperson's Unit, SX-D700A/SX-D750 Delegate's Unit, SX-P700 Interpreter's Unit and SX-E120 Expansion Unit. The Sony SX-T100 Telephone Coupler can be added optionally to include external participants via telephone.

This system is ideal for international conferences and meetings which require language translation. If an additional language distribution capacity is required an additional infrared transmission system (Sony Infrared Conference and Guide System) can be added. Addition of the infrared components is ideal for use in conferences that require translation of more than six languages or for conferences in which there is an audience listening to the proceedings.

SX-M700 Control Unit

SX-M100 Control Unit

SX-M700 Control Unit

The SX-M700 Control Unit provides the Simultaneous Interpretation function. Handling up to six languages and accommodating up to a total of 60 delegate and chairperson units, the SX-M700 is a central part of a simultaneous interpretation conference system configuration.

SX-M100 Control Unit

The SX-M100 is for use in the single language SX-M100 System and controls the entire system, including the delegate's microphone volume, speaker volume, external input signal volume and monitoring levels.

- Capable of handling up to six languages (SX-M700).
- Accommodates up to 60 microphones as standard.
  With the SX-E120 Expansion Unit and optional Sony SXA-120 Board, a maximum of 120 microphones can be connected.*
- Equipped with a Howl Suppression function.
- Provides microphone control using the optional Sony Microphone Control Panel (SX-S100 with SXA-120).
- Enables conference participation from a remote location over a telephone line when the Telephone Coupler (SX-T100) is connected.
- Speaker Limit function.
  When the SPEAKER LIMIT button is pressed, only five delegate microphones can be live at any one time.
- External computer control via an RS-232C interface port with the optional SXA-120 Expansion Board.
- 19-inch rack mountable with the optional Sony SXA-2U Rack Mount Kit.

SX-M100 System

Discussion-Type Conference System

The SX-M100 System serves as a basic discussion system. The main system components are the SX-M100 Control Unit, SX-C100A/SX-C150 Chairman's Unit, SX-D100A/SX-D150 Delegate's Unit and SX-E120 Expansion Unit. The SX-S100 Microphone Control Panel can be connected optionally for complete control of the proceedings. The SX-M100 system enhances the effectiveness of a conference by increasing the speed and accuracy of information interchange.

This system best suits applications such as discussions and seminars at corporations, institutions, government offices and schools.

SX-P700 Interpreter's Unit

The SX-P700 is an interpreter's unit accomodating up to six multilingual simultaneous interpretation channels. With comprehensive functions and easy user operation, the SX-P700 allows the interpretation of conference discussions to proceed smoothly.

- Supports simultaneous interpretation in up to six languages when a corresponding number of SX-P700 units are connected to the SX-M700 Control Unit.
- Dual microphone inputs for use by two interpreters, allowing them to work in turn over long periods of time.
- Push-type microphone select button for instant and easy changeover between microphone channels.
- Monitor output (phono) for use by a waiting interpreter.
- SLOW switch to give a warning to the chairperson.
- COUGH CUT switch to temporarily mute the microphone.
- Highly visible microphone "ON" indicator.
- Line output for an external monitoring amplifier and speaker.

Chairman's Unit/Delegate's Unit

SX-C700A   SX-D700A   SX-C750   SX-D750

For simultaneous proceedings

SX-C700A/SX-D700A (for portable use)

*SX-C750/SX-D750 (for installation)*

For single langnage proceedings

SX-C100A/SX-D100A (for portable use)

SX-C150/SX-D150 (for installation)

- Self-contained, with built-in uni-directional electret microphone and speaker.
- Excellent sound pick-up with a long flexible microphone stem.
- Portable design (SX-C700A/D700A/C100A/D100A).
- Flush-mount design (SX-C750/D750/C150/D150).
- Six simultaneous interpretation language channels (SX-C700A/D700A/C750/D750).

- Microphone Live indicator.
  The microphone indicator lights when the user presses the MIC ON switch.
- Easy operation so that everyone can use the system comfortably.
- Priority Switch (SX-C700A/C750/C100A/C150) allowing the chairperson to exercise control over the conference by temporarily muting all delegate microphones.
- Audio output (mini jack) for tape recorder connection.
- Dual earphone outputs to allow two users to share a unit.

SX-C100A   SX-D100A   SX-C150   SX-D150
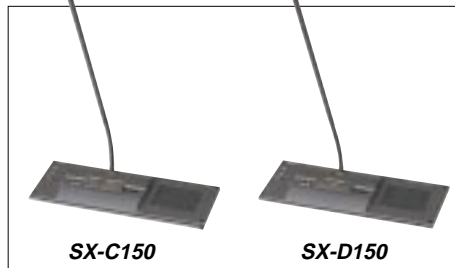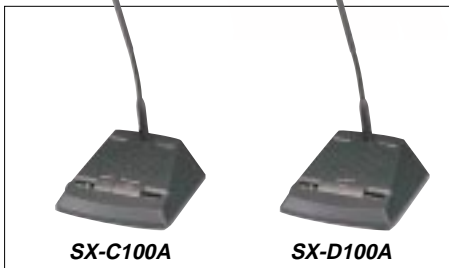
SX-E120 Expansion Unit

- Enables the SX-M700/SX-M100 System to handle up to 120 delegate and chairperson units (when the optional SXA-120 is installed).*
- Easy connection to the SX-M700/SX-M100 Control Unit with a single cable.
- Power linked to the control unit. When the control unit is turned on, the power to the SX-E120 is automatically turned on.
- 19-inch rack mountable with the optional SXA-2U Rack Mount Kit.
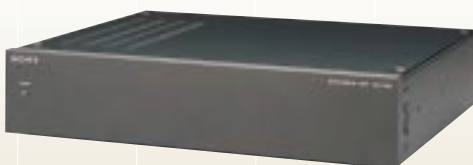
SX-H750 Monitor System (optional)

- Monitor system for observers of simultaneous interpretation conferences.
- High sound quality and easy management of units.
- The system components include SX-H750 Monitor Unit, SXA-J750 Interface Unit, SXA-J751 Joint Box.
- Handles up to six languages.
- Maximum of 1440 units of SX-H750 units can be connected per one system.
- Can be directly connected to the SX-M700 System.
- Compact design and can be built into desks or chairs.

SX-S100 Microphone Control Panel (optional)

- For microphone control by a chairperson or operator.
- CALL CLEAR button and MIC OFF switch for smooth conference proceedings.
- Handles up to 120 microphones.
- Flush-mount-type SX-S150 and SX-15 available.

Voting System (Optional)

SX-CV10/SX-DV10 Chairman's/Delegate's Voting Unit

- Accommodates up to 60 units as standard. With the SX-E120 Expansion Unit, a maximum of 120 units can be connected. *
- Easy connection to an SX-M700/SX-M100 System via a single cable. Voting information is communicated via the cable connected to each delegate unit.
- Models available for flush-mounting or portable use.
- Flashing indicators show which buttons delegates can press to vote.
- Raised symbols assist the visually impaired.
- Designed to allow privacy for each delegate when voting.

  * For systems with over 120 units,
  please consult your nearest Sony office.

Voting Software

- Supplied with the SX-CV10 Chairman's Voting Unit.
- Runs on a PC, compatible with Conference Management Software.
- Three voting methods available:

Parliamentary	Yes/No/Abstain
Questionnaire	1/2/3/4/5
Audience response	++/+/0/-/- -

- System Setup and Management.
- Voting results are computed immediately at the close of voting and displayed for delegate viewing on a screen as a bar graph, pie chart or figures.
- Voting results data can be stored on the PC and printed out.
- Software packages supplied for both main and sub PCs.

SX-D700A with SX-DV10

SX-CV10

SX-DV10

Main Menu

Seat Arrangement

Start Conference

SX-GS10 Conference Management Software (Optional)

- Controls the on/off switching of delegate's microphones.
- Easy and friendly graphical user interface using a PC running Windows.
- Simple on-screen creation of the conference layout using a seat icon.
- Delegate's name and request-to-speak list appear on the screen.
- Inputs and displays delegate's data on the screen.
- Accommodates up to 120 delegates*.
- Can be used with SX-S100/S150 Microphone Control Panel
- Compatible with the Voting software. Voting Software and Management Software can operate simultaneously.
- Controls the speaker volume of the delegates' units to suppress howling.
- Optional video card provides an output for a chairperson's monitor.
- Optional external camera control.

  * For systems with over 120 units, please consult your nearest Sony office.
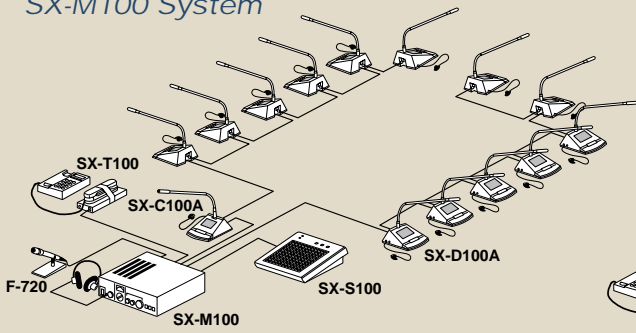
Microphone Control

Voting

Voting Results

System Configuration

SX-M100 System

SX-T100
SX-C100A
F-720
SX-M100
SX-S100
SX-D100A

SX-M700 System

SX-T100
SX-C700A
SX-M700
SX-S100
SX-D700A
SX-P700
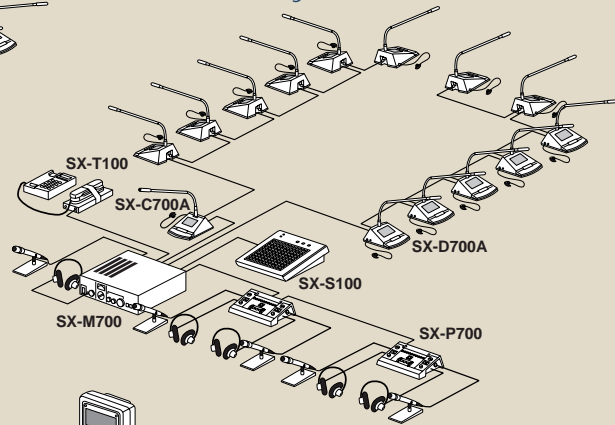
SX-M700 System with Infraved Conference & Guide System

SX-9131A
SX-1070A
F-720
SX-M700
SX-C700A
SX-S100
SX-D700A
SX-2130
SX-P700
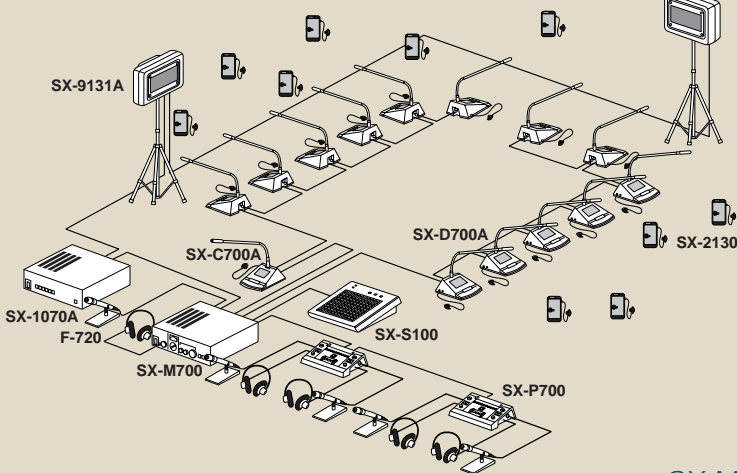
SX-M700 System with Monitor System

SX-H750
SXA-J751
SXA-J750
SX-C700A
SX-M700
SX-D700A
SXA-J751
SXA-J750
SX-P700
SXA-J750
SX-H750
SXA-J751
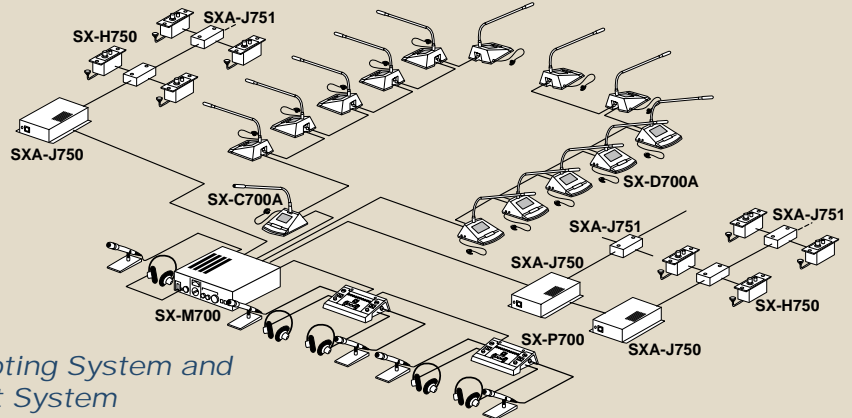
SX-M700 System with Voting System and Conference Management System

Projector
Monitor
SX-CV10
Camera
Sub PC
SX-C700A
SX-CV10
Monitor
SX-S100
SX-D700A
Main PC
SX-DV10
SX-CV10
SX-GS10
SX-M700
SX-P700
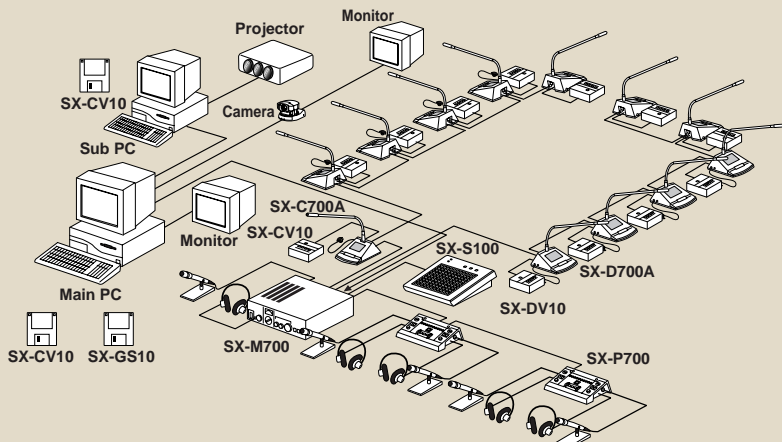
SXA-120 *Expansion Board*
- Allows an SX-M700/SX-M100 System to accommodate up to 120 participants. (By utilizing SX-I/F240 Expansion Board* the system will be able to accommodate up to 240 participants.)
- An optional SX-S100/S150 Microphone Control Panel can be connected.
- RS-232C interface port allows operation from an external computer.

Dimensions: 136 (W) x 35 (H) x 305.7 (D) mm
(5 3/8 x 1 7/16 x 12 1/8 inches)
Mass: 0.2 kg (7 oz)

SXA-T21 *Carrying Case*
- Holds SX-M700 (x1), SX-P700 (x2), connecting cables (1 set), A-25N microphone stand (x4), microphone (x4) and headphones (x5)
- Dimensions: 477(W) x 772(H) x 427(D) mm
(18 7/8 x 30 1/2 x 16 7/8 inches)
- Mass: 15.8kg (34lb 13oz) (when empty)

SXA-T22 *Carrying Case*
- Holds SX-M100 (x1), connecting cables (1 set), headphone (x1), microphone stand (x2) and microphone (x2).
- Fitted with casters for easy movement.
- Dimensions: 450(W) x 629(H) x 367(D) mm
(17 3/4 x 24 7/8 x 14 1/2 inches)
- Mass: 12kg (26lb 7oz) (when empty)

SXA-T23 *Carrying Case*
- Holds SX-C700A/SX-D700A (x20) or SX-C100A/SX-D100A (x20) and earphones (x30).
- Fitted with casters for easy movement.
- Dimensions: 536(W) x 1031(H) x 358(D) mm
(21 1/8 x 40 5/8 x 14 1/8 inches)
- Mass: 18.6kg (41lb) (when empty)

SX-T100 *Telephone Coupler*
- Allows external participants to contribute to a conference via telephone.
- Excellent sound quality.
- Portable design.

SXA-2U *Rack Mount Bracket*
- To install the SX-M700/SX-M100/ SX-E120/SX-630/SX-1070A/SX-1130A.

RK-1705 *Connecting Cable*
- 5m connecting cable for use between the SX-M700 and SX-P700, or between SX-P700 units.
- 20-pin round female connector at each end.

RK-1700 *Connecting Cable*
- 10m connecting cable for use between the SX-M700 and SX-P700, or between SX-P700 units.
- 20-pin round female connector at each end.

RK-1713 *Connecting Cable*
- 3m connecting cable for use between the SX-M700/SX-M100 and SX-C700A/ D700A/C100A/D100A or between the SX-C700A/C100A and SX-D700A/ D100A.
- 20-pin round male connector and 20-pin round female connector.
- Can be interconnected to increase length.
- Can be used as an extension cable for the RK-1700/1705.

RK-1710 *Connecting Cable*
- 10m connecting cable for use between the SX-M700 and SX-C700A/D700A or between the SX-C700A and SX-D700A.
- 20-pin round male connector and 20-pin round female connector.
- Can be interconnected to increase length.
- Can be used as an extension cable for the RK-1700/1705.

RK-1515 *Connecting Cable*
- 1.5m connecting cable for use between the SX-M700/M100 and SX-C750/D750/ C150/D150
- D-sub 15-pin female connector and 20-pin round female connector.

RK-1503 *Connecting Cable*
- 3m connecting cable for use between the chairperson and delegate unit (SX-C750/D750/C150/D150) and between delegate units (SX-D750/D150).
- D-sub 15-pin male connector and D-sub 15-pin female connector.

RK-1780 *Connecting Cable*
- 10m connecting cable for use between an SXA-120 (installed in an SX-M700/ SX-M100) and an SX-S100/S150.
- D-sub 9-pin male connector and D-sub 9-pin female connector.

MDR-E4L *Earphone*
- Earphone for SX-C700A/SX-D700A/ SX-C100A/SX-D100A.

CCP-1310F/CCP-1410F *Monaural Cassette Duplicators*
- High speed duplication at 16 times normal speed.
- Up to 10 CCP-1410F units can be connected to a CCP-1310F to produce 43 tapes simultaneously.
- F&F (Ferrite core & Ferrite guard) heads for heavy-duty sue and long head life.

*Please consult your nearest Sony office for further details.

Specifications

	SX-M700 Control Unit	SX-M100 Control Unit
Input/Output connectors:	Delegate's/Chairman's Unit (20-pin multi-connector) x4	
	Interpreter's Unit (20-pin multi-connector) x2	
	Telephone Coupler (6-pin multi-connector) x1	
Input:	MIC (XLR 3-pin connector) x1, -60 dBu, balanced	
	MIC (phone jack) x1, -60 dBu, unbalanced	
	LINE (phono connector) x2, -10 dBu, 10 kΩ unbalanced	
	EXT UNIT IN (phono jack) x1 Input level +4 dBu, 10 kΩ	
	AC IN (3-pin) x1 for AC power input	
Output:	LINE OUT ORG/CH1 to CH6, (phono connector) x7 pairs for each line, -10 dBu, more than 10 kΩ unbalanced	LINE OUT (phono connector) x2 -10 dBu, more than 10 kΩ unbalanced PHONES (stereo phone jack) x1
	PHONES (stereo phone jack) x1	
	EXT UNIT OUT (phono jack) x1 Output level +4 dBu, 10 kΩ	
Power requirements:	120 V, 60 Hz (USA model) 230 V, 50/60 Hz (European model)	
Power consumption:	1.2 A (USA model) 100 W (European model)	1.06 A (USA model) 87 W (European model)
Dimensions:	424 (W) x 98 (H) x 388.6 (D) mm (16 3/4 x 3 7/8 x 15 3/8 inches)	424 (W) x 98 (H) x 378 (D) mm (16 3/4 x 3 7/8 x 15 3/8 inches)
Mass:	6.2 kg (13 lb 10 oz)	6.2 kg (13 lb 10 oz)
Supplied Accessories:	AC power cord	AC power cord
	Operating instructions	Operating instructions

	SX-C700A/SX-D700A Chairman's Unit/Delegate's Unit	SX-C100A/SX-D100A Chairman's Unit/Delegate's Unit
Microphone type:	Uni-directional electret condenser microphone	
Input/Output connectors:	20P round connector (with cable) female x1	
	20P round connector male x1	
	8P round connector female x1 (for voting unit)	
Earphone output:	-9 dBu 33 Ω mini jack x2	
Recording output:	-16 dBu 47 kΩ mini jack x1	
Speaker output:	10 mW 32	
Power requirement:	DC +24 V	
Power consumption:	45 mA	
Dimensions:	134 (W) x 401 (H) x 152 (D) mm (6 3/4 x 15 7/8 x 6 inches)	
Mass:	0.7 kg (1 lb 9 oz)	

	SX-C750/SX-D750 Chairman's Unit/Delegate's Unit	SX-C150/SX-D150 Chairman's Unit/Delegate's Unit
Microphone type:	Uni-directional electret condenser microphone	
Input/Output connectors:	15P D-sub connector male x1	
	15P D-sub connector female x1	
	8P round connector female x1 (for voting unit)	
Earphone output:	-9 dBu 33 Ω mini jack x2	
Recording output:	-16 dBu 47 kΩ mini jack x1	
Speaker output:	10 mW 32	
Power requirement:	DC +24 V	
Power consumption:	45 mA	
Dimensions:	245 (W) x 413 (H) x 100 (D) mm (9 3/4 x 16 3/8 x 4 inches)	
Mass:	0.65 kg (1 lb 7 oz)	

	SX-P700 Interpreter's Unit
Input/Output:	Control Unit/Interpreter's Unit (20-pin multi-connector) x2
Input:	MIC IN (XRL 3-pin) x2, -60 dBu/-70 dBu, selectable, balanced
Output:	LINE OUT (phono jack) x1, -10 dBu for speaker, unbalanced
	MAIN/SUB (stereo phone jack) x4 -26 dBu/8 Ω (with the maximum output level), -16 dBu/8 Ω (with the maximum volume setting)
Power consumption:	40 mA
Dimensions:	346.5 (W) x 78.3 (H) x 207.5 (D) mm (13 3/4 x 3 1/8 x 8 1/4 inches)
Mass:	1.5 kg (3 lb 4 oz)

	SX-T100 Telephone Coupler
Input/Output:	Control Unit (6-pin multi-connector, -10 dBu) x1
Power consumption:	18 mA
Dimensions:	90 (W) x 74.5 (H) x 213 (D) mm (3 5/8 x 3 x 8 1/2 inches)
Mass:	0.6 kg (1 lb 5 oz)
Supplied Accessories:	Connecting cord x1

	SX-CV10 Chairman's Voting Unit	SX-DV10 Delegate's Voting Unit
Input/Output connectors:	8P round connector (with 0.85 M cable) Male x 1	
Power requirement:	+5 V DC, applied from external source	
Power consumption:	+5 V DC, 10 mA	
Dimensions:	120 (W) x 38 (H) x 100 (D) mm (4 3/4 x 1 1/2 x 4 inches)	
Mass:	0.3 kg (11 oz)	
Supplied Accessories:	Three 3.5 inch floppy disks (Main Voting Software)	
	Three 3.5 inch floppy disks (Sub Voting Software)	
	Operating Instructions	

* 0 dBu -0.775 V.r.m.s.

* Features and specifications are subject to change without notice.

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