



CS-1CU

## CS-1CU

### Control and Power Supply Unit

The innovative CS-1 i-Conference Discussion System is equipped with JTS in-house made ECM capsule, intelligent automatic mixing technology and integrated acoustic and mechanical design, providing Turn-Key solution and delivering consistently natural, feedback-free audio performance with any environment.

The i-Conference Discussion System is ideal for discussion and meeting with up-to 150 attendants.

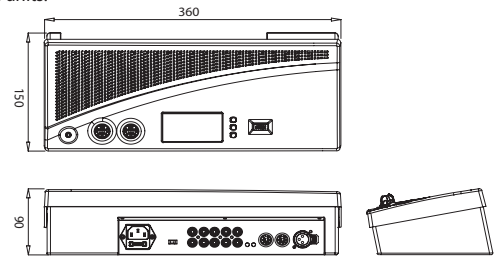
A CS-1 i-Conference Discussion System consists of:

- One Control and power supply unit (CU).
- Maximum 150 delegate or chairman units.
- Peripheral audio and/or telecommunication equipment.

The control unit is the center of the discussion system which controls the microphones of the chairman and delegate units as well as connects to other audio input and output. It also supplies the power for the CU itself, and up to 50 chairman and delegate units.

The delegate unit enables the attendants to participate in a discussion by speaking through a microphone, controlled by a microphone ON/OFF push-button, and listening to discussion by the internal loudspeaker and external headphone.

The chairman unit not only provides the same function as the delegate unit, but also supports the addition of a "Priority button", that enables the chairman to control the discussion by temporary or permanently overriding and deactivating all active microphones of the delegate units.

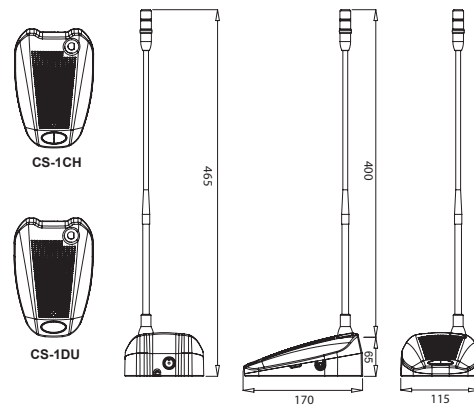


CS-1CH

CS-1DU

## CS-1CH / CS-1DU

### Chairman Unit / Delegate Unit



Model	CS-1CU	Model	CS-1CH / CS-1DU
Voltage	VAC100-240~, 50/60Hz	<b>Headphone output</b>	
Current consumption	MAX 0.9A(100VAC) / 0.3A(240VAC)	Output level	-8dBV/+2dBV(nominal/maximum)
DC supply to contribution units	±15V	Output Impedance	22Ω
<b>Line, telephone coupler and insertion in/outputs (unbalanced)</b>		<b>System limits Number of delegate/chairman units connected to one control unit</b>	
Input sensitivity	-14dBV/+11dBV (nominal/maximum)	Maximum in total	50
Input impedance	33KΩ	Maximum per trunk output	25
Output level	-14dBV/+11dBV (nominal/maximum)	Maximum trunk length using CS-1	standard cabling: 100m
Output impedance	500Ω	Dimensions (HxWxD)	360*150*90 mm
<b>Recorder in/output (unbalanced)</b>		Weight	1745 grams
Input sensitivity	-20dBV/+5dBV (nominal/maximum)	<b>Gooseneck Microphone</b>	
Input impedance	47KΩ (for L & R channel)	Type	Back Electret Condenser
Adjustment	-20dBV/+5dBV(nominal/maximum)	Frequency Response	50 ~ 18,000Hz
Output level	+0/-30dBV	Polar Pattern	Cardioid
Output impedance	500Ω	Max. SPL for 1% THD	125dB
<b>External microphone input (XLR(F) balanced)</b>		Gooseneck Length	15" (400mm)
Input sensitivity	-56dBV	Dimensions (HxWxD) without mic	170*115*65 mm
Adjustment	+6dBV/-6dBV(nominal/maximum)	Length of mic	400 mm
Phantom supply	12V+/-1V, 2*680Ω (±2%)	Weight	1100 grams

## CS-1EXM / CS-1EXS

### Expansion Kit

CS-1 expansion kit, combined with D7PDM-1 extension cables, can expand the number of using units of i-conference discussion system from 50 to 150 by adding maximum two additional CS-1CU functioning as power supply units only.

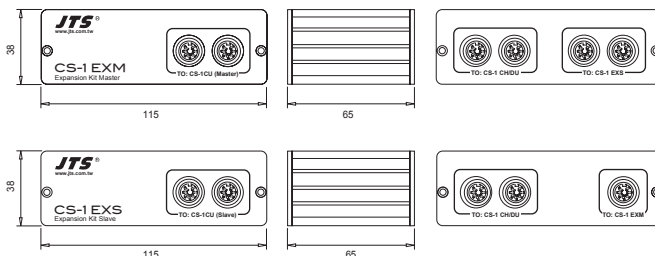
The system is controlled by the master CS-1CU unit.

Using D7P-10 or D7P-20 extension cables to extend the operation distance.

Input..... 7-pin DIN Connector

Output..... 7-pin DIN Connector

Dimension(mm) 115mm(W)\* 65mm(D)\* 38mm(H)



### D7P-10 / D7P-20

#### Extension Cable

Din 7 pin XLR-F / XLR-M

Length: 10 / 20 M

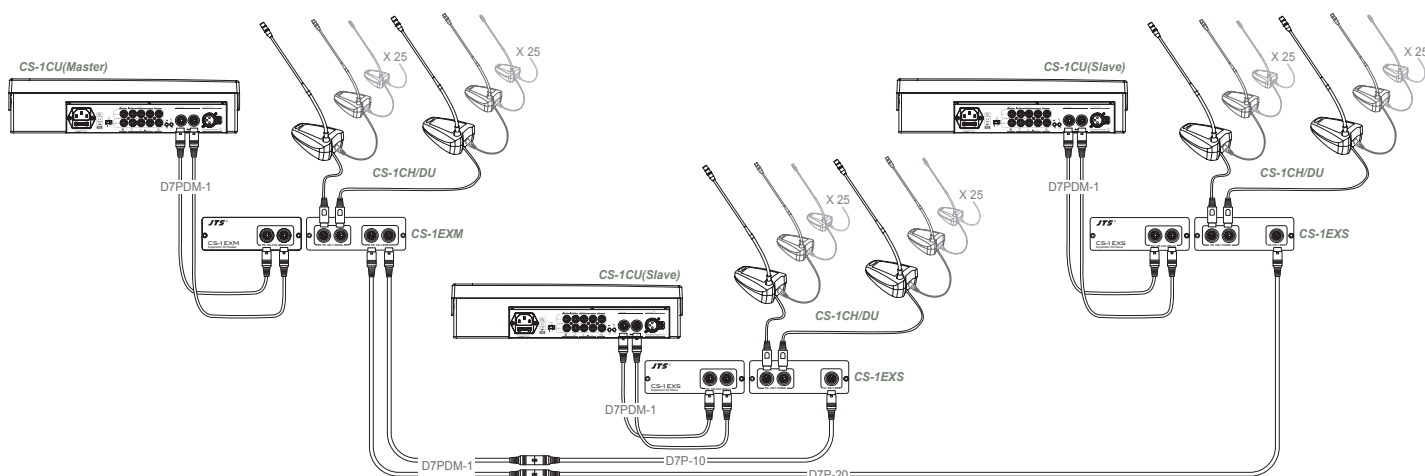


### D7PDM-1

#### Extension Cable

Din 7 pin XLR-M / XLR-M

Length: 1 M





## IT-12M



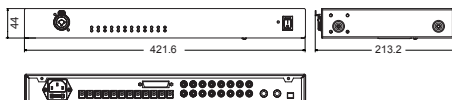
### Language Distributor

The IT-12 is designed to provide an open platform for any kinds of conference systems or devices demanding interpretation. Simply connect an audio output single to IT-12M as floor language the system will render 11 interpreters work simultaneously.

The IT-12M, language distribution unit, provides 12 audio output correspond to 12 languages. Together with TG-10STX UHF stationary transmitter and TG-10R / TG-64R personal receiver the system delivers 12 languages wirelessly to audiences.

The system is good for:

- \* International Organisation
- \* Government building
- \* Corporate conference room
- \* School language lab
- \* Church



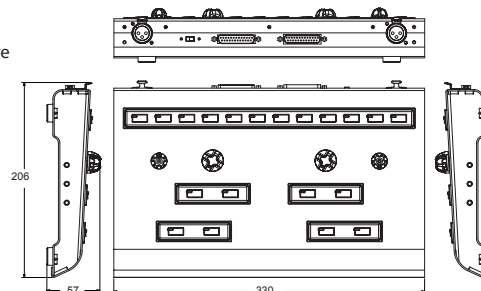
## IT-12D



### Interpreter Console

On IT-12D, interpreter console, Relay function enables interpreters to hear up to 11 languages besides floor language. LED indicators show the occupied channel and channels which are available cross interpretation is available.

- \* Provide 11 output channels for foreign languages
- \* Relay function provided
- \* Cross interpretation
- \* Standby interpreter feature



**HPM-12** P.97  
Multimedia Headset

2012 NEW



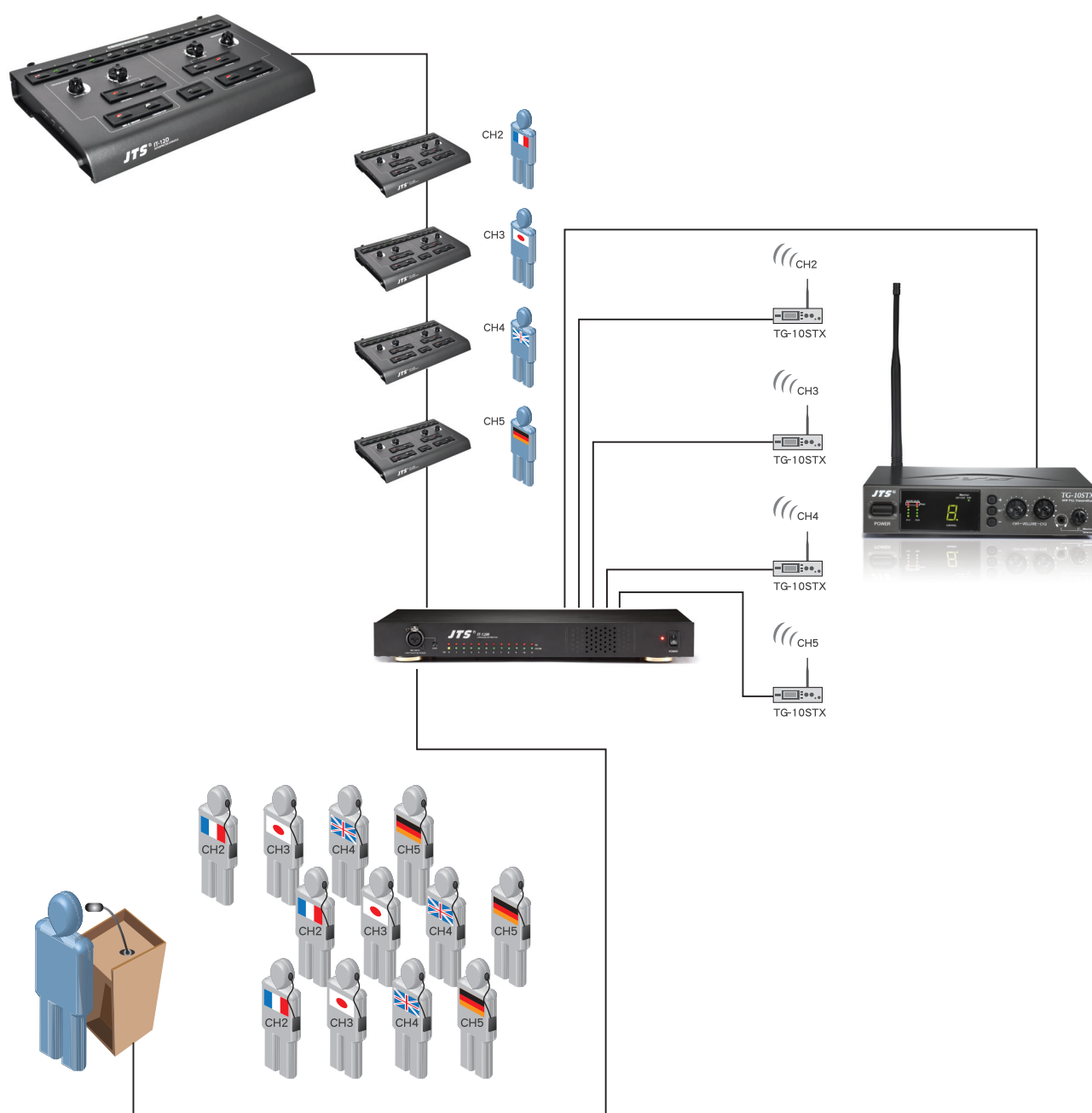
## IT-12 CABLE

2012 NEW

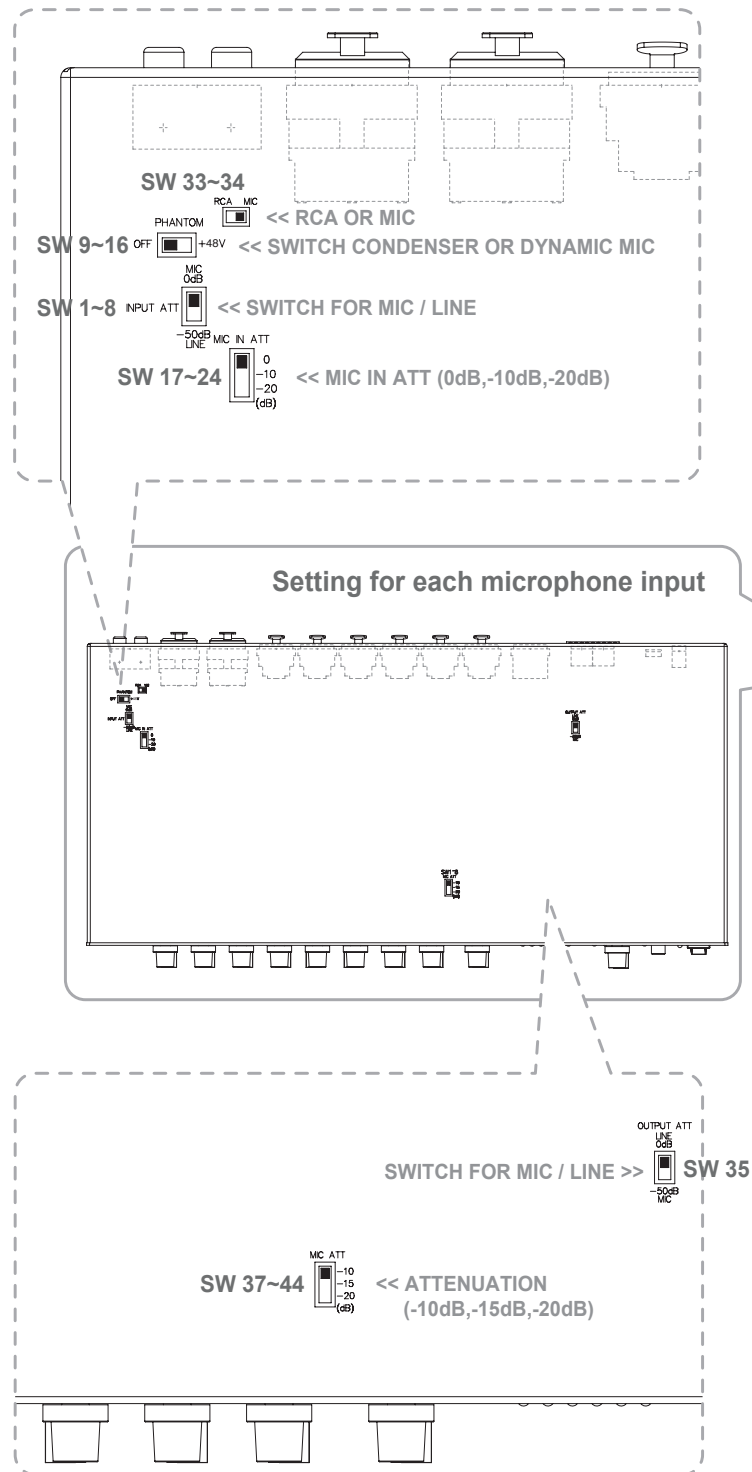
25 pin D-Sub Cable  
C3:3m, C6:6m, C12:12m, C18:18m

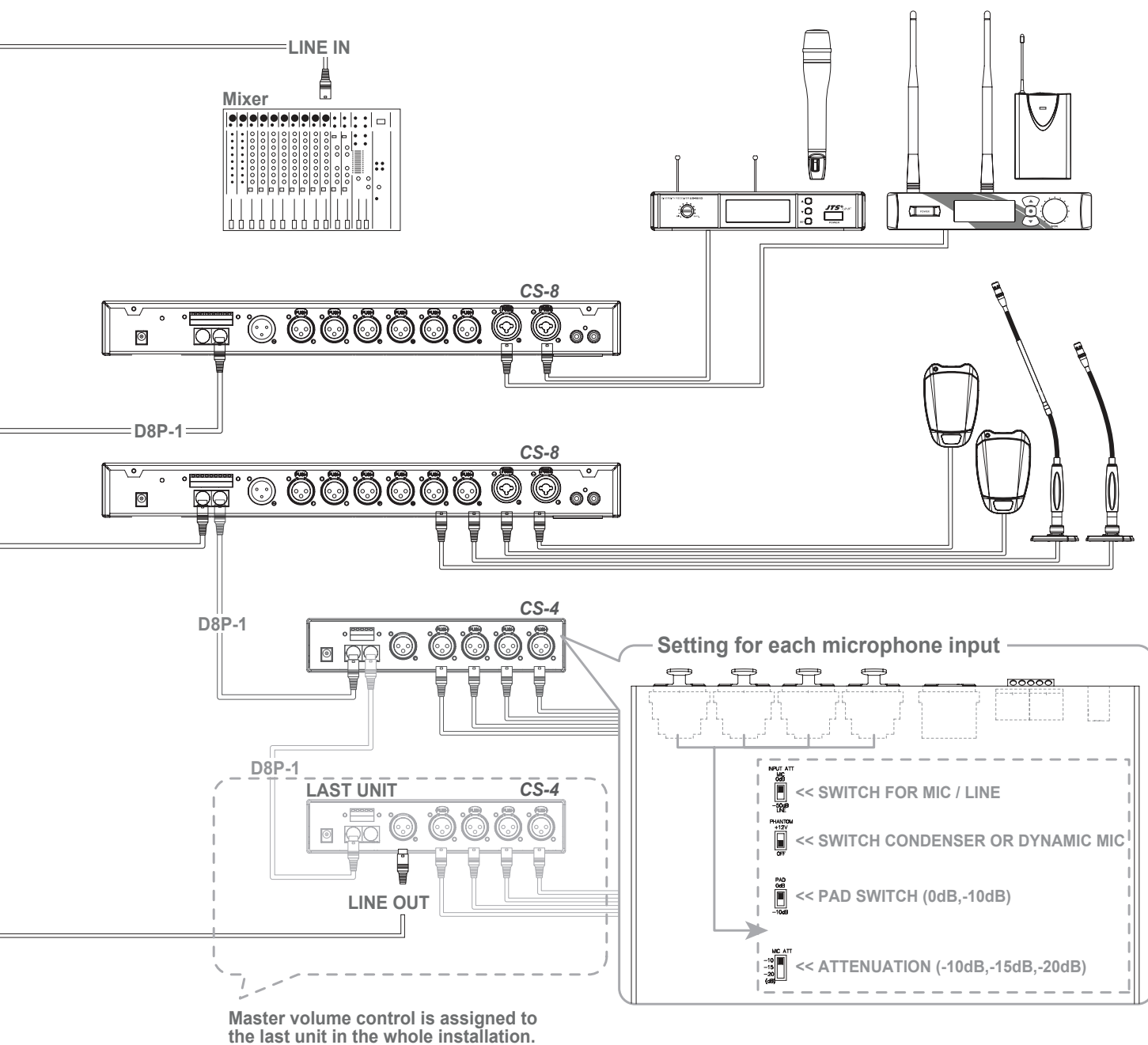
Model	IT-12M
Audio Input	Ø6.3mm balanced, unbalanced Level: 0.775V Combo XLR Level: 2mV
Audio Output	Floor Output: RCA*2 Symmetrical, RCA*10
Output Freq-Response	10~16,000 Hz
T.H.D	<0.05%
SNR	>75dBA
Crosstalk	>70dB(1kHz)
Dynamic Range	>85dB
Output Load	>1kΩ
Simultaneous Interpretation	25 pin D-SUB
Power Supply	AC 110~220V
Power Output	DC 12V/250mA*12
System Consumption	150W
Dimension(m/m)	421.6mm(W) * 44mm(H) * 213.2mm(D)

Model	IT-12D
Mic. Sensitivity	-46dBV
Mic. Impedance	2kΩ
Mic. Freq-Response	80~16,000 Hz
Earphone Freq-Response	100~15,000 Hz
Earphone SNR	>70dBA
Dynamic Range	>85dB
Earphone Load	>16Ω
Unit Power Consumption	24V 80mA
Dimension(m/m)	330mm(W) * 57mm(H) * 206mm(D)



EXAMPLE FOR AUTOMATIC MICROPHONE MIXER









## CS-8

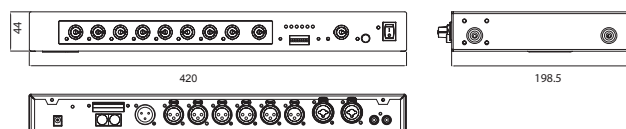


### Automatic Microphone Mixer

The CS series microphone automatic mixers provide great convenience to sound reinforcement installation with any size and any combination. Full feature design includes

- \* Daisy-chain with unlimited number of the mixer
- \* Three operation modes: one-channel-at-a time, all active or override
- \* Switchable inputs accept microphones or line level devices
- \* Switchable output levels between mic. and line level
- \* Individual gain control and phantom power for each channel
- \* Last In stays on for continuous ambience sound
- \* Control voltage provided to trigger external device such as speaker switching and camera switching

The outstanding performance enables effective managing of multi-microphone installations including corporate boardrooms, conference rooms, government builds, houses of worship, classrooms.



## CS-4



### Automatic Microphone Mixer



## D8P-1

### Extension Cable

Din 8 Pin Male/Male Cable  
Length: 0.8 M



Model	CS-8
Input	
Type	XLR
Mic	4.7KΩ
Line	20KΩ
Output	
Type	XLR
Mic	300Ω
Line	200Ω
MAX Output Level	>17dB
MAX Gain	>70dB
Frequency Respond	35~20,000 Hz
THD%	<0.06%
Signal-to-noise ratio	>70 dB
Input Attenuation	-50dB
Phantom Power	+48V
Mic In Attenuation	-10dB / -20dB
Mic Attenuation	-10dB / -15dB / -20dB
Output Attenuation	-50dB
Voltage Output	+4VDC ±0.3V
Power Supply	18VDC, 1A
Power Consumption	13.5W
Fuse	T0.5AE 250V (Slow-Blow)
Weight	2.25 kg
Dimension(m/m)	420mm(W)*44mm(H)*198.5mm(D)

Model	CS-4
Power Supply	16VDC, 100mA (The attached adapter, 12V, 600mA, isn't full-loaded, so it can provide enough voltage +16VDC to the Automatic mixer.)
Power Consumption	4.6 Watt (include Adapter)
Fuse	T0.5AE 250V
Impedance	
Input	
Type	XLR
Mic	4.7KΩ
Line	20KΩ
Output	
Type	XLR
Mic	300Ω
Line	200Ω
Maximum Output Level	
Line	>+19 dB
Maximum Gain	≥70dBm
Internal Controls	
Mic/Line attenuation	-50dB
Phantom Power	+12V
Pad	-10dB
MIC Attenuation	-10dB, -15dB, -20dB
Output Attenuation	-50dB
Frequency Response	35~20,000Hz ±2dB
THD% Input(1 KHz -50dB)	<0.06%
Signal-To-Noise Ratio	>70dBm
Voltage Output	+4VDC±0.3V
Weight	1.41 kg
Dimension(m/m)	212mm(W)*44mm(H)*212mm(D)