Discussion   Recording   Loudspeaker

Basic Discussion Conference System
YC822

Discussion   Recording   Loudspeaker

YC822MR
Central Controller Unit

YC822 is a multifunctional conference central unit,which centralized processing and control discussion, Clear sound, hi-fidelity, Build in mute function, can connect 60 units, through extend power can connect 120 units. It supports for multiple meeting modes.

Features

- Adopting digital audio , hi-fidelity , Build in mute function and easily to setting.

- Capable of telephones connection for remote teleconferencing.

- Built-in rack mount kit easy to to store and installed in a standard 19 inches rack.

- LCD display for status information and configuration.

- The CU has Three trunk outputs for the loop-through connection of contribution units.The CU can connect 60 units and possible to connect 30 contribution units to each trunk output.

- Up to 120 Contribution units by add Central control for extension connection of conference units.

- Four operational microphone modes:

- 1. Limited mode: allows selection of one or three or six microphones (excluded chairmen microphones) which can be simultaneously active.

    2. FIFO mode: delegates can override each other simply by activating their microphones. (Note: In FIFO mode, delegates cannot override chairman) allows selection of one or three or six microphones (excluded chairmen microphones) which can be simultaneously active.

    3. Chairman only mode: only chairman can speak.Delegate microphones cannot be activated, even when a chairman is not speaking.

    4. Free mode: The entire unit can be activated.

- Number of open microphones between 1 or 3 or 6 (Limit and FIFO mode) and Infinity (Free mode).

- 6 soft buttons for con☐guration and control of the Built-in MP3 recorder

Controls and Indicators

Front

Power ON/OFF switch

IPS display for status information and configuration

Menu moving button for choose.

ENTER:To confirm choosing function.

ESC : Back to last menu

Inside MP3 RECORDER, support max 32G USB

YC822MR Central Controller Unit

Specifications

Power Supply	AC220V-50HZ
Max Power Consumption	120W
Frequency response	100Hz-14kHz
Input / Output	8P-DIN
Input	MIC 6.3mm RCA
Output	XLRM（Balance）RCA
Color	Dark Gray
Diamensions	480x325x85 mm
Weight	9.5 Kg

Interconnections

Back

Power port AC220V/50Hz or AC110V/60Hz.

8P conference microphone unit input for 4 group connector.

RJ45 net microphone unit input for 4 group connector.

XLR OUT,Balanced voice output to connect CONSOLE,MIXER,FEEDBACK and so on.

MAX OUT 6.5, voice output to connect CONSOLE,MIXER,FEEDBACK, EFFECTOR and so on.

LINE OUT RCA, moon line output to connect MIXER,CONSOLE,RECORDER.

LINE IN RCA, moon line inputs to connect CD/MP3/computer and so on.

RS-232 Serial communication port/With 9-pin connectors to connected center control system.

YC822C Desktop Chairman Discussion Unit

Discussion   Recording   Loudspeaker

YC822 series is a new desktop discussion unit which includes
a chairman unit（YC822C）and delegate unit（YC822D）.
Chairman unit has priority of the whole meeting and can terminate
or discontinue other delegate units who is speaking.

Features

Controls and Indicators

- Microphone on/off button.

- Chairman priority button, When pressed the chairman priority button causes
  all currently active delegate microphones to be permanently muted.

- Rotary volume control for adjusting built-in loudspeaker volume or
  headphone volume(when headphone connect).

- Built-in loudspeaker and pluggable microphone.

- The built-in loudspeaker, automatically muted when microphone is on
  or headphones are connected.

- Microphone has "no" indicator (red LED).

- Light ring indicator on microphone stem, lights up red when microphone
  is on.

- Microphone button with a red or green illuminated ring LED. Green indicates
  microphone is active, red indicates request-to-speak not accepted.

- Chairman priority button, When pressed the chairman priority button causes all
  currently active delegate microphones to be permanently muted.

Interconnections

1x 3.5 mm stereo jack type headphone sockets.

1x 3.5 mm mono jack type line in sockets.

2 m cable terminated within a circular din connectors 8P DIN cable plug.

Circular din connectors 8P DIN panel female for loop-through connections.

Specifications

Power Supply	DC24V supplied by the central unit
Power Consumption	40mA
Interface Type	8P-DIN
Earphone Output	3.5mm stereo jack
Installation	Desktop
Earphone Impedance	8 - 32 Ohm
Connection Mode	Daisy-Chain
Crosstalk Attenuation	>80 dB
Speaker Power	2W
Microphone Type	Condenser
Polar pattern	Ultra Cardioid
Frequency response	100hz-14kHz
Signal-to-Noise Ratio	>80 dB
Sensitivity	-47 dBV/Pa
Length of Microphone	420mm
Color	Silver/Gray Black
Diamensions	W200xH56xD130 mm
Weight	1.1Kg

YC822D Desktop Delegate Discussion Unit

YC822 series is a new desktop discussion unit which includes
a chairman unit（YC822C）and delegate unit（YC822D）.
Chairman unit has priority of the whole meeting and can terminate
or discontinue other delegate units who is speaking.

Features

Controls and Indicators

● Microphone on/off button.

● Chairman priority button, When pressed the chairman priority button causes
all currently active delegate microphones to be permanently muted.

● Rotary volume control for adjusting built-in loudspeaker volume or
headphone volume(when headphone connect).

● Built-in loudspeaker and pluggable microphone.

● The built-in loudspeaker, automatically muted when microphone is on
or headphones are connected.

● Microphone has "no" indicator (red LED).

● Light ring indicator on microphone stem, lights up red when microphone
is on.

● Microphone button with a red or green illuminated ring LED. Green indicates
microphone is active, red indicates request-to-speak not accepted.

Interconnections

1x 3.5 mm stereo jack type headphone sockets.

1x 3.5 mm mono jack type line in sockets.

2 m cable terminated within a circular din connectors 8P DIN cable plug.

Circular din connectors 8P DIN panel female for loop-through connections.

Specifications

Power Supply	DC24V supplied by the central unit
Power Consumption	40mA
Interface Type	8P-DIN
Earphone Output	3.5mm stereo jack
Installation	Desktop
Earphone Impedance	8 - 32 Ohm
Connection Mode	Daisy-Chain
Crosstalk Attenuation	>80 dB
Speaker Power	2W
Microphone Type	Condenser
Polar pattern	Ultra Cardioid
Frequency response	100hz-14kHz
Signal-to-Noise Ratio	>80 dB
Sensitivity	-47 dBV/Pa
Length of Microphone	420mm
Color	Silver/Gray Black
Diamensions	W200xH56xD130 mm
Weight	1.1Kg

YM80
Professional Conference Mixer Console

Overviews

The pro mixing console is key to a professional audio system. Using pre amplifier as the main part, it can receive multi-channel audio signals of different impedances and levels and can equalize, mix, distribute these signals. As long as you achieve the best SNR and timbre through adjustment, the pro mixing console will complete efficient and quality transmission of audio signals.

Technical Specifications of the YM80, YM120, YM160

YM80: 4 channels Mono and 4 channels Mic input, 2 channel stereo input
YM120: 8 channels Mono and 8 channels Mic input, 2 channel stereo input
YM160: 12 channel Mono and 12 channels Mic input, 2 channel stereo input

High-performance Microphone Pre amplifiers with Switchable Phantom Power
3-band Channel EQ and High-pass Filters
Built-in Channel Compressors
Smooth 60-millimeter Faders & Illuminated Channel ON Switches
Bright Meters for Visual Level Monitoring

Specifications

Model	YM80	YM120	YM160
Max. Output Level	19dBm (1kHz, THD=0.5%)	19dBm (1kHz, THD=0.5%)	19dBm (1kHz, THD=0.5%)
Residual Noise SNR	-75dB	-75dB	-75dB
S/N Ratio	71dB	71dB	71dB
Phones Output	40mW (1kHz, THD-0.5%, 200 Ω)	40mW (1kHz, THD-0.5%, 200 Ω)	40mW (1kHz, THD-0.5%, 200 Ω)
EQ	LOW: 80Hz ±15dB	LOW: 80Hz ±15dB	LOW: 80Hz ±15dB
	MID:2.5kHz ±15dB	MID:2.5kHz ±15dB	MID:2.5kHz ±15dB
	HIGH: 12kHz ±15dB	HIGH: 12kHz ±15dB	HIGH: 12kHz ±15dB
Gain Control	Mono: -55dB~0dB	Mono: -55dB~0dB	Mono: -55dB~0dB
	Stereo: -10Db~0dB	Stereo: -10Db~0dB	Stereo: -10Db~0dB
Frequency Response	20Hz~20kHz +1.0, -3dB	20Hz~20kHz +1.0, -3dB	20Hz~20kHz +1.0, -3dB
T.H.D	Less than 0.05 (1kHz,0.775V)	Less than 0.05 (1kHz,0.775V)	Less than 0.05 (1kHz,0.775V)
Power consumption	25W	35W	45W
Dimension (W×D×H) mm	400x400x45	443x400x45	560x400x90
N.W	4.41 kg	5.57 kg	7 kg

YAN300/YAN400/YAN800
Professional Conference Amplifier

Overviews

The pro amplifier has a built-in efficient transformer and high capacity filter power supply. This helps ensure lower distortion, greater low frequency control force and clearer voice when the amplifier outputs at full load. The pro amplifier offers three output modes, including stereo, mono and bridge output. The use of time delay relay circuit allows soft start, which helps protect the speaker against electric shock during POWER ON or OFF. The pro amplifier is widely used on many occasions for speech transmission and sound reinforcement.

Features

● Innovative Design: Stylish appearance with a standard 2U chassis height, suitable for rack installation. The high-strength symmetrical chassis structure ensures quick and easy assembly.

● High-Efficiency Power Supply: Features a large transformer and high-capacity filter capacitors for low distortion and enhanced low-frequency control at full load, delivering clearer sound.

● Front Panel Controls: Precise gain control and status indicators for power, signal, protection, and clipping.

● Advanced Protection Circuitry: Unique automatic protection for each channel, including DC, overheating, overload, and limiting.

● Automatic Cooling System: Variable-speed fan adjusts based on power usage for reliable performance.

● Professional Connections: Equipped with balanced XLR input/output interfaces and SPEAKON output connectors.

● Flexible Operation Modes: Rear panel switch for selecting stereo, bridge, or parallel modes.

● Powerful Output: Robust power output for a wide range of applications.

Specifications

MODEL NUMBER		YAN300	YAN400	YAN800
Input sensitivity/impedance		>20kΩ	>20kΩ	>20kΩ
Output consumption	8Ohm	2x300W	2x400W	2x800W
	4Ohm	2x500W	2x600W	2x1300W
	Bridged 8Ohm	600W	800W	1600W
Frequency response		20Hz-20KHz	20Hz-20KHz	20Hz-20KHz
S/N ratio		98dB	98dB	98dB
Total Harmonic Distortion		<0.05%	<0.05%	<0.05%
Damping Factor		>300	>300	>300
Cooling System		Fan-cooled, airflow from front to rear, speed adjusts automatically based on temperature		
Power supply		AC220V~50Hz	AC220V~50Hz	AC220V~50Hz
N W		15.7kg	16.4kg	19.2kg

| YLN250 | YLN350 | YLN400 |

Professional Conference Speaker

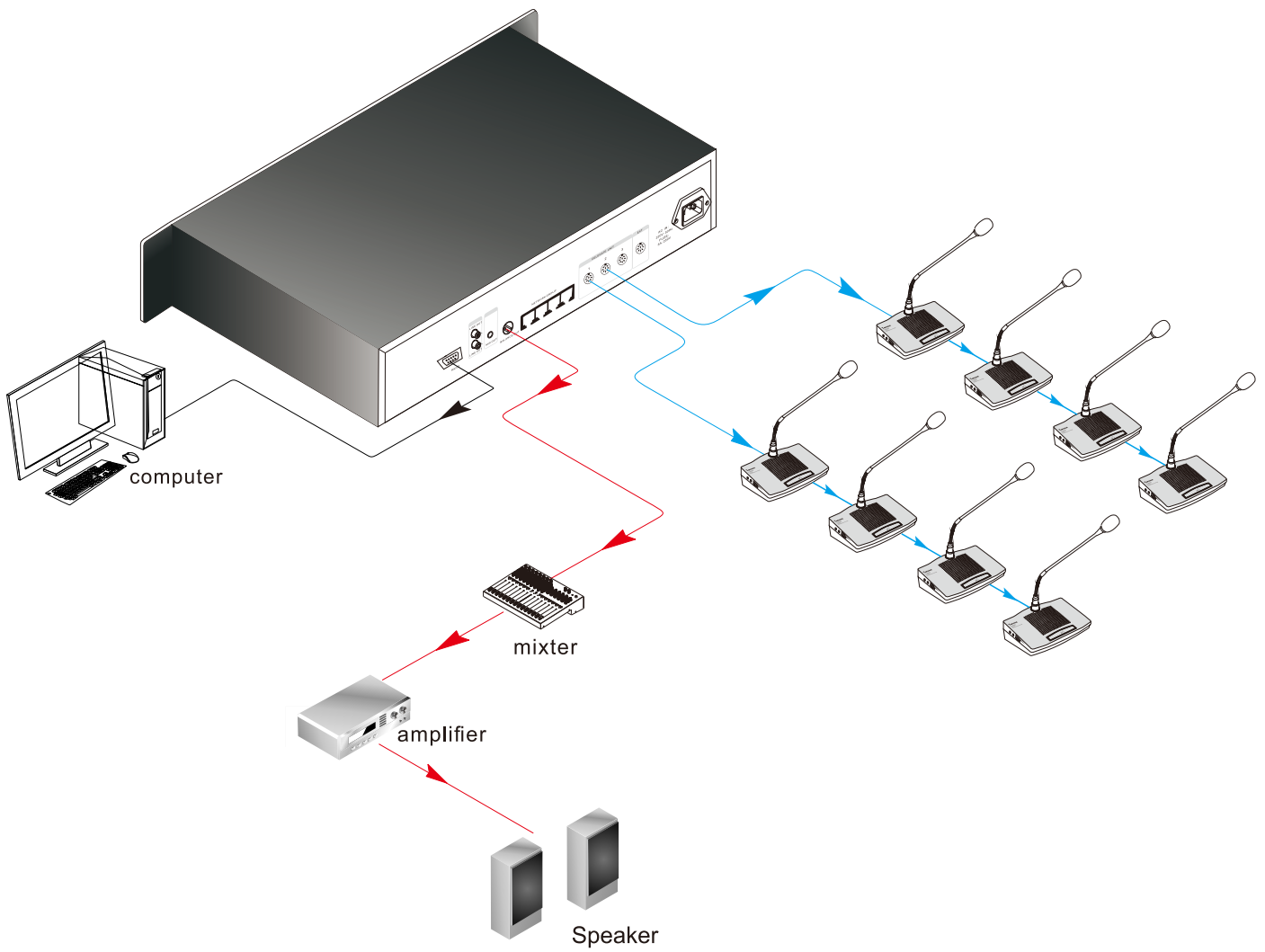| Model	YLN250	YLN350	YLN400
Specification	horn tweeters, 10'' bass	horn tweeters, 12'' bass	horn tweeters, 15'' bass
Color	black	black	black
Material	woodiness	woodiness	woodiness
Frequency response	70Hz ~ 18KHz	65Hz-18 kHz	42Hz- -18 kHz
Impedance	8Ω	8Ω	8Ω
Rate power	250W (Peak 500W)	350W (Peak 700W)	400W (Peak 800W)
SPL	117dB SPL	120dB SPL	128dB SPL
Dispersion Angle	90°-60°	90°-60°	90°-60°
Input sensitivity	94dB	96dB (1W / 1m)	96dB (1W / 1m)
Dimension(H*W*D)	308x345x520mm	369x410x595mm	442x490x711mm
Weight	16.5kg	21.5kg	30kg

YL50

Specifications

Specification	6.5''/1 way
Color	White
Material	Plastic
Frequency response	100Hz-16KHz
Impedance	4Ω
Rated power	20W-50W
SPL	120dB, 124dB(peak)
Dimension(Φ,H)	180mm*80mm
Weight	1.57kg
Installation	ceiling type

Connection Diagram

computer

mixter

amplifier

Speaker

Pictures of projects