

ACU16-C

Amplifier Control Unit



ACU16-C

Rear Panel

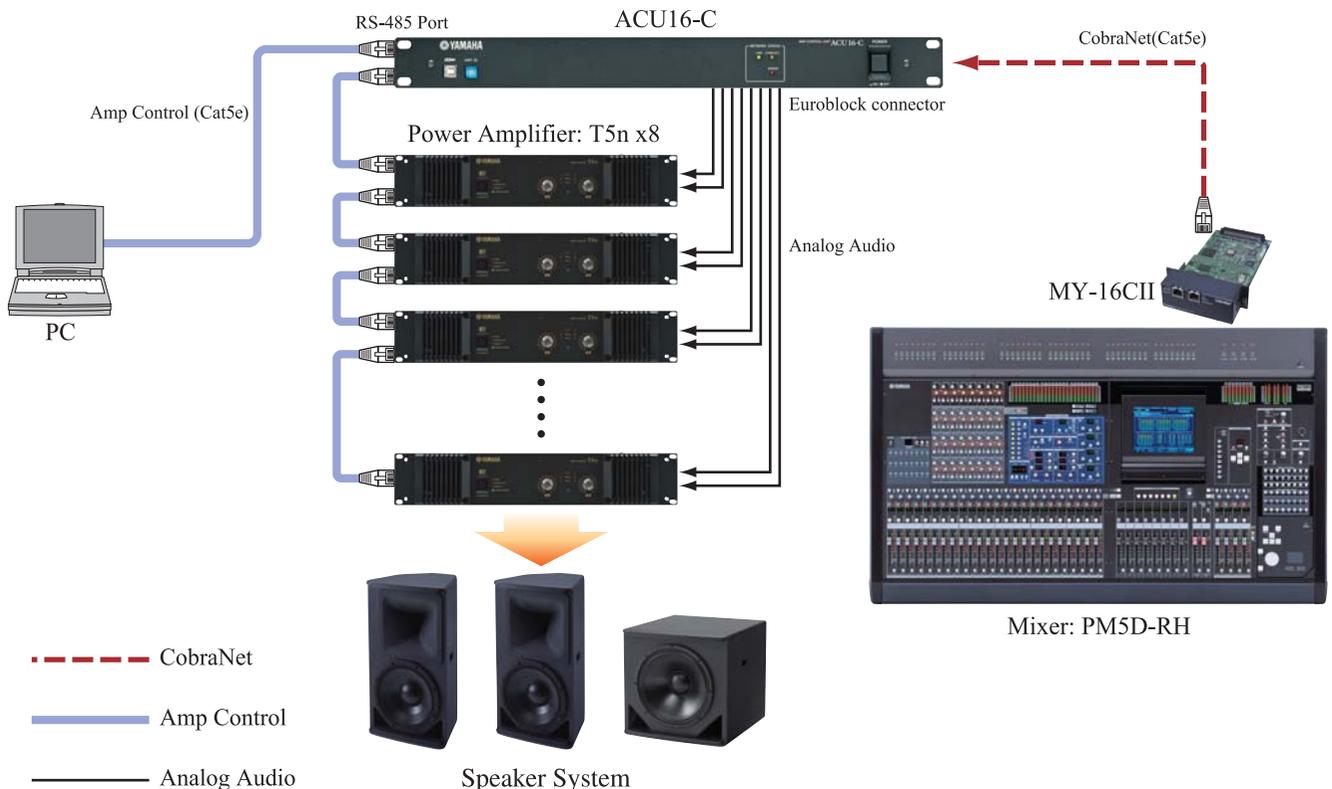


CobraNet 1U

CobraNet compatible 16-channel D/A converter and monitor/control unit.

- The ACU16-C converts up to 16 channels of digital audio (48 kHz, 20-bit or 24-bit) to analog using CobraNet technology, and delivers analog audio to Tn series and PC-1N series power amplifiers with a dynamic range of 110dB.
- A single ACU16-C unit can control up to 32 amplifiers.
- Amplifier settings and status can be monitored and controlled using the supplied NetworkAmp Manager software and a computer: power on/standby, attenuation, out/in levels, temperature, load impedance, and more.
- A computer can be connected to any NHB32-C or ACU16-C in the network to provide full monitoring and control capability for all amplifiers on the CobraNet network.
- Automatic troubleshooting and logging.
- Redundant connections for exceptional reliability.

SYSTEM EXAMPLE



GENERAL SPECIFICATIONS

Maximum unit count	16 units for a CobraNet™ network
Maximum input channel count (from CobraNet)	16ch (48kHz/20bit); 14ch(48kHz/24bit)
Maximum analog output channel count	16ch
Sampling frequency rate	48kHz, 96kHz
Total harmonic distortion	0.05% (+4dB output@20Hz-20kHz) 0.01% (full scale output@1kHz)
Dynamic range	110dB
Crosstalk	-80dB
Front panel	USB : PC USB connector UNIT ID : ID dial POWER ON/OFF
Rear panel	CH1-16 : Euro block type(6pin) x 8 RS485 : RJ45 x 2 to Tn and PC-1N series Power Amplifier CobraNet™ : PRIMARY/SECONDARY; RJ45 x 2 TO COMPUTER : Dsub-9pin(male)
Power requirements	Japan: AC100V, 50/60Hz, 40W North America: AC110-120V, 50/60Hz, 40W Other Areas: AC220-240V, 50/60Hz, 40W
Dimensions (W x H x D)	480 x 44 x 385.5mm (18 7/8" x 1 3/4" x 15 5/32"), 1U
Weight	4.8kg (10.6lbs)

CobraNet™ is a registered trademark of Peak Audio, a Division of Cirrus Logic.

MONITORED PARAMETERS

Unit ID	0 - 31
Amp type	2ch, 4ch, 6ch, 8ch
Model ID	Model ID numbers for PC9500N or PC4800N
Mode	Stereo/Bridge/Parallel
Input level	Power amplifier input level
Output level	Power output in watts/volts
Output clip	When limiter is activated
Impedance	Impedance/Warning
Protection	When protection circuit is activated
Temperature	Heat sink temperature/Warning

CONTROL PARAMETERS

Power	Universal control of all power amplifier ON/Stand-by controls
Attenuator	63 step
Phase	Normal/Reverse
Mute	On/Off

DIMENSIONS

