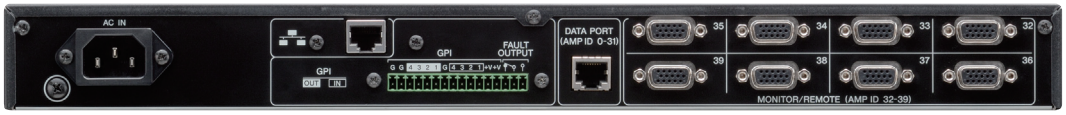
ACD1

Amplifier Controller Device

ACD1

2U

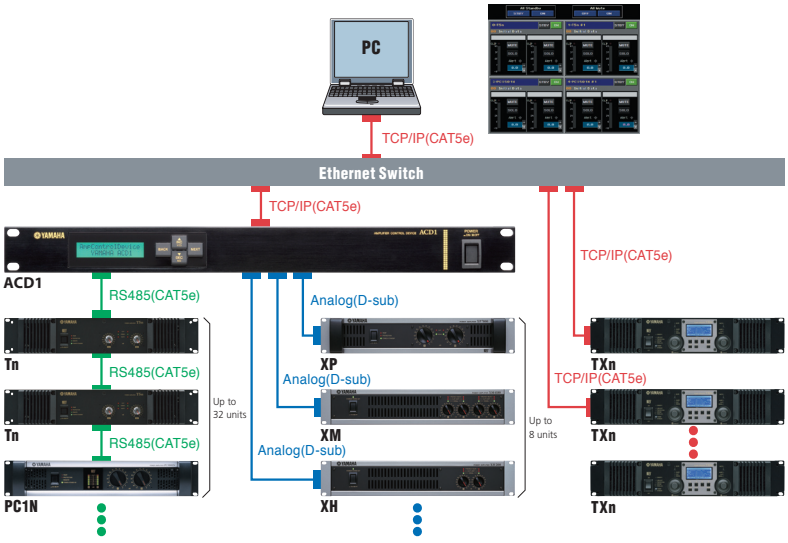


Rear Panel

Comprehensive computer control of Tn, PC-1N, XP, XM and XH series amplifiers.

- Interfaces a computer running Yamaha's dedicated control and monitoring software with up to 40 Tn, PC-1N, XP, XM and XH series power amplifiers.
- Up to 32 Tn and/or PC-1N amps can be connected via standard Ethernet cables, plus up to 8 XP, XM, and/or XH series amplifiers can be connected via D-SUB cables.
- Simultaneously link directly connectable TXn power amplifiers and other Yamaha amplifiers connected via an ACD1 unit to a single computer by using a standard high-speed Ethernet switch.
- Yamaha's software makes it easy to monitor, manage, and control the available functions of Tn, PC-1N, XP, XM and XH series amplifiers from a Windows-based computer.
- Large amplifier systems can be managed and controlled with ease: name and group amps according to function, for example.
- Yamaha's dedicated control and monitoring software offers numerous flexible warning functions, including warnings when a pre-defined wattage, temperature, or impedance is exceeded.
- Warnings are automatically logged to an info file for efficient troubleshooting.

SYSTEM EXAMPLE



Amp Control	Tn/PC-1N	XP, XH, XM
Power On/Standby	Yes	Yes
Attenuate	Yes	-
Mute	Yes	Yes
Input Polarity	Yes	-

Monitor	Tn/PC-1N	XP, XH, XM
Input Level	Yes	-
Output Level	Yes	Yes
Output Clip	Yes	-
Load Impedance	Yes	-
Protection	Yes	Yes
Amp Mode	Yes	-
Heatsink Temp	Yes	-

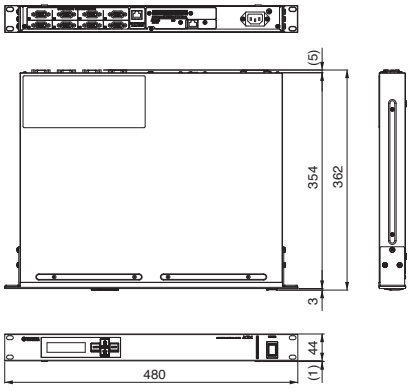
ACD1

GENERAL SPECIFICATIONS

Scene memory		50 scenes per amplifier
Number of amplifiers that can be connected	Via the DATA PORT connector	Up to 32 units
	EVia the MONITOR/ REMOTE connector	Up to 8 units
Display		16characters x 2 lines backlit LCD
Power requirements		AC100V, 50Hz/60Hz
Power consumption		15W
Dimensions (W x H x D)		480 x 44 x 362mm (18.7" x 1.75" x 14.2"), 1U
Weight		4.0kg (8.8lbs)
AC Cable Length		2.5m

DIMENSIONS

unit : mm



CONTROL I/O SPECIFICATIONS

Terminal		Format	Level	Connector
MONITOR/REMOTE		—	—	D-SUB 15P (Female) x 8*1
DATA PORT (RS-485)		RS-485	RS-485	RJ-45*4
GPI	IN	—	0-5V	EUROBLOCK*2 (3.5mm pitch)
	OUT	—	Open Collector	
	+V	—	5V	
FAULT OUTPUT*3		—	—	
NETWORK		IEEE 802.3	10Base-T/100Base-TX	RJ-45

*1 XP7000, XP5000, XP3500, XP2500, XP1000, XM4180, XM4080, XH200
*2 Inputs: 4channels, Outputs: 4channels
Inputs: Not apply 2 wire Fader mode
Outputs: Withstanding Voltage Vmax = 12V (OFF)
Outputs: Sink Current Imax = 75mA/pin, Imax = 300mA/4pins (ON)
+V: Imax = 100mA/2pins
COM=CLOSE,COM=OPEN
*3 Input: Imax = 1A, Vmax = 30VDC
*4 T5n, T4n, T3n, PC9501N, PC6501N, PC4801N, PC3301N, PC2001N, PC9500N, PC4800N, PC3300N