

Release Notes for AC-XG Windows NT Driver Version 4.00.1018

1. Environment

AT-compatible PCs, motherboards implemented with 810 chipset and 440MX.

1.1 OS Support:

Windows NT3.51/4.0

1.2 Language Support:

English/Japanese/French/Italian/German/Spanish/Portugues-Brazilian/
Swedish/Korean/Simplified Chinese/Traditional Chinese

1.3 Hardware Support:

YMF752, YMF743

2. Features

1) Wave In/Out Device

1. Sampling Rate Support
48kHz to 8kHz
2. Data Format support
PCM 8/16-bit-stereo/mono. (Other formats can be also supported using standard Audio CODECs.)
3. Full Duplex Support
Support different sampling rates of recording and playback of Wave files.
Support multiple Wave playbacks.

2) Mixer Device

1. Playback Lines
Stereo: Volume Control (Master Volume)/Master2 (Headphone Volume)/PC
Beep/Telephony/Line/CD Audio/Video/Auxiliary/Wave Out/ZVport
Mono: Mono Out/Microphone/3D Wide
(An advanced control of Microphone is provided to enable/disable
+Mic 20dB)

2. Recording Lines

Stereo: Telephony/Line/CD Audio/Video/Auxiliary/Stereo Out

Mono: Microphone/Mono+Mic

(Only one of the above devices can be selected as the recording device)

3. Voice Commands

Stereo: Telephony /Line /CD Audio /Video / Auxiliary /Stereo Out

Mono: Microphone /Mono+Mic

(Only one of the above devices can be selected as the recording device)

3) MIDI In/Out Device

Not supported.

The MIDI data can be played via the Wave device using the YAMAHA Soft synthesizer S-YXG50. In this case, simultaneous playbacks on Wave and MIDI are possible.

4) DirectSound

Although WindowsNT4.0 supports DirectSound, the DirectSound cannot be used when the Wave device is in use for the driver does not support DirectSound functionalities. DirectSound can be used when the Wave device is not used.

5) Others

3D Enhancement

The Depth of 3D enhancement of YMF752 and YMF743 can be enabled via the Mixer. The 3D enhancement can be controlled using the 3D Wide playback line of the Mixer device on the Volume Control.

3. File Information

3.1 Driver Information

Version: 4.00.1018

Filename: yacxg.sys (2000/11/10 970,752 bytes)

yacxg32.dll (2000/11/10 102,400 bytes)

3.2 INF file:	oemsetup.inf	(2000/2/24	412 bytes)
3.3 Control Panel Applet			
	Yacxg.cpl	(2000/11/7	229,376 bytes)
	Yacxgeng.hlp	(2000/10/4	18,923 bytes)
	Yacxgjpn.hlp	(2000/10/17	18,634 bytes)
	Yacxgpor.hlp	(2000/10/4	20,586 bytes)
	Yacxgfre.hlp	(2000/10/4	21,295 bytes)
	Yacxgger.hlp	(2000/10/4	20,320 bytes)
	Yacxgita.hlp	(2000/10/4	20,632 bytes)
	Yacxgkor.hlp	(2000/10/17	18,081 bytes)
	Yacxgsch.hlp	(2000/10/17	16,440 bytes)
	Yacxgtch.hlp	(2000/10/4	16,348 bytes)
	Yacxgspa.hlp	(2000/10/17	20,585 bytes)
	Yacxgswe.hlp	(2000/10/17	20,480 bytes)

4. Updates

1. Modified to mute the recording gain when ADC is not used.
2. Corrected the bit condition when VIA is reset.
3. Fixed the issue that the value configured via the DigitalOutptu tag on the control panel was not updated. (The value was reset back to the default after a system restart.)
4. The PCM 4/6 Enable bit of the Global Control Register was not set when the chipset is ICH2. This release sets the number of the output channel during initialization to "2" when the chipset is ICH2.