
SETUPDS

Installation

This installer is only for Real-DOS of DS-XG.

Type "install", then it allows you to install DOS setup utility and TSR for Real-DOS environment. It requires PC/PCI (so called SBLink) or DDMA support of PCI Chipset.

"setupds.exe" supports INTEL PIIX4, PIIX3 and ALI Aladdin4 as chipset that supports DDMA and PC/PCI.

1. What is SETUPDS ?

SETUPDS.EXE is an application which configures the DS-XG device with the resource and volume settings written in DS.INI, so that it can be used under MS-DOS environment. You can also use SETUPDS.EXE to change the settings for the DS-XG device, and the change which you make will be saved in DS.INI.

2. Start Up

To start up SETUPDS.EXE, input the following in MS-DOS command line.

SETUPDS [options]

If SETUPDS.EXE is started up without any option, the CONFIGURATION MENU will be displayed.

<Options>

/s : SETUPDS.EXE will configure the DS-XG device with the I/O port, IRQ channel, DMA channel and volume settings which are written in DS.INI, display the settings, and then exit. In this case, you cannot change the settings.

/d : SETUPDS.EXE will display the current settings which DS-XG device is actually using.

/? : SETUPDS.EXE will display the options.

3. Operation

If SETUPDS.EXE is started up without any option, the CONFIGURATION MENU will be displayed. This section will explain how to use this menu.

<Keys>

[Up Arrow],[Down Arrow] ---> Select items, settings.
[+],[-] ---> Change volume.
[Enter] ---> Accept items, settings.
[ESC] ---> Cancel

<SOUND TEST>

SOUND TEST is a function to check if your system can make sounds correctly through the speakers or headphones connected to the DS-XG device. It is recommended to use this function every time you change the settings.

If an error dialog box is displayed, please refer to section 5 and make appropriate changes on the settings. If the error dialog box is not displayed and you still cannot hear any sound, please check if the volume settings on both DS-XG device and your PC speakers are appropriate or not.

<Exit>

To Exit CONFIGURATION MENU, press the [Esc] key in the main menu and select "EXIT" or "SAVE & EXIT". If "EXIT" is selected, the change you have made will be discarded. If "SAVE & EXIT" is selected, the change you have made will be saved in DS.INI and the DS-XG device will be re-configured with the settings.

If any one of the settings in CONFIGURATION MENU is not available, an error dialog box will be displayed and you will not be able to exit CONFIGURATION MENU. Please make appropriate changes on the settings, or select "EXIT" to exit CONFIGURATION MENU.

----- 4. Default Settings -----

The factory default settings are as follows:

Legacy Audio: Enable
Sound Blaster: I/O=220, IRQ=5, DMA=1
FM: I/O=388
MPU: I/O=330, IRQ=5
Joystick: I/O=201
IRQ Mode: ISA-IRQ
DMA Mode: PC/PCI
Legacy Volume: Master= (Lch=Level 7, Rch=Level 7)
Voice = (Lch=Level 7, Rch=Level 7)
FM = (Lch=Level 7, Rch=Level 7)
AC97 Volume: Master= (Lch=0dB, Rch=0dB)
Line = (Lch=0dB, Rch=0dB)
CD = (Lch=6dB, Rch=6dB)
PCM = (Lch=0dB, Rch=0dB)
All the others are muted.

----- 5. Error Messages -----

The error messages and possible solutions for the errors are as follows:

"Error : This program does not run in windows DOS box."
---> SETUPDS.EXE does not support DOS box. (Win95 driver will configure the DS-XG device in DOS box.)

"Error : Invalid option."
---> An option other than /s, /d, /? is used.

"Error : Can't find YAMAHA DS-XG."
---> The DS-XG device is not installed on your system.

"Error : Can't configure DS-XG because of Base address = 0.
Please make sure the [PNP OS] is "NO" in BIOS settings.
---> An invalid value is set to the base address. Please set [PNP OS] to "NO" in BIOS settings.

"Error : Can't access the file (ds.ini)."
---> DS.INI doesn't exist. Please make sure that there is DS.INI in the same directory where SETUPDS.EXE resides.

"Can't find Sound Blaster at 0xXXX"
---> Sound Blaster I/O address 0xXXX is not available for the DS-XG.

Please change Sound Blaster I/O address.

"Can't detect Interrupt at IRQ X"

---> Sound Blaster IRQ channel X is not available for the DS-XG.
Please change Sound Blaster IRQ channel.

"Can't detect DMA at channel X"

---> Sound Blaster DMA channel X is not available for the DS-XG,
or the DMA mode is not available on your system.
If you have selected PC-PCI, you might need a special connector
between your sound card and the PC motherboard.
In other cases, please change Sound Blaster DMA channel or DMA
mode.

"Can't find FM at 0xXXX"

---> FM I/O address 0xXXX is not available for the DS-XG.
Please change FM I/O address.

"Can't find XXXXX.XXX"

---> The file XXXXX.XXX which is needed to run SETUPDS.EXE doesn't
exist. Please make sure that there is XXXXX.XXX in the same
directory where SETUPDS.EXE resides.

6. Cautions

1. To run SETUPDS.EXE, these files are needed in the same directory
where SETUPDS.EXE resides:

dos4gw.exe
ds.ini
ymh8.wav
ymh16.wav

2. SETUPDS.EXE is an English application. If you are using Japanese
OS, please switch to the US mode before running SETUPDS.EXE.
3. Depending on the system configuration, all the Sound Blaster items
will be grayed out and cannot be changed.
This indicates that Sound Blaster mode cannot be used on the system.
4. Depending on the system configuration, INTA# IRQ will be grayed out
and cannot be changed even if you select INTA# in IRQ MODE.
This indicates that DS-XG and other device are sharing the same
INTA# IRQ on the system. If you are using DS-XG sound card, please
insert it in a different PCI slot and run SETUPDS.EXE again.
(Please make sure to turn off the power of your system before you
move the sound card.)
5. Depending on the system configuration, DMA MODE will be grayed out
and cannot be changed. This indicates that the system supports only
the DMA MODE displayed.
Also depending on the system configuration, some DMA MODE cannot be
selected. This indicates that the particular DMA MODE is not supported
on the system.