▪ USB DJmix Audio Consol

Quick Start Manual
(사용 설명서)

Example DJmix3100 set-up
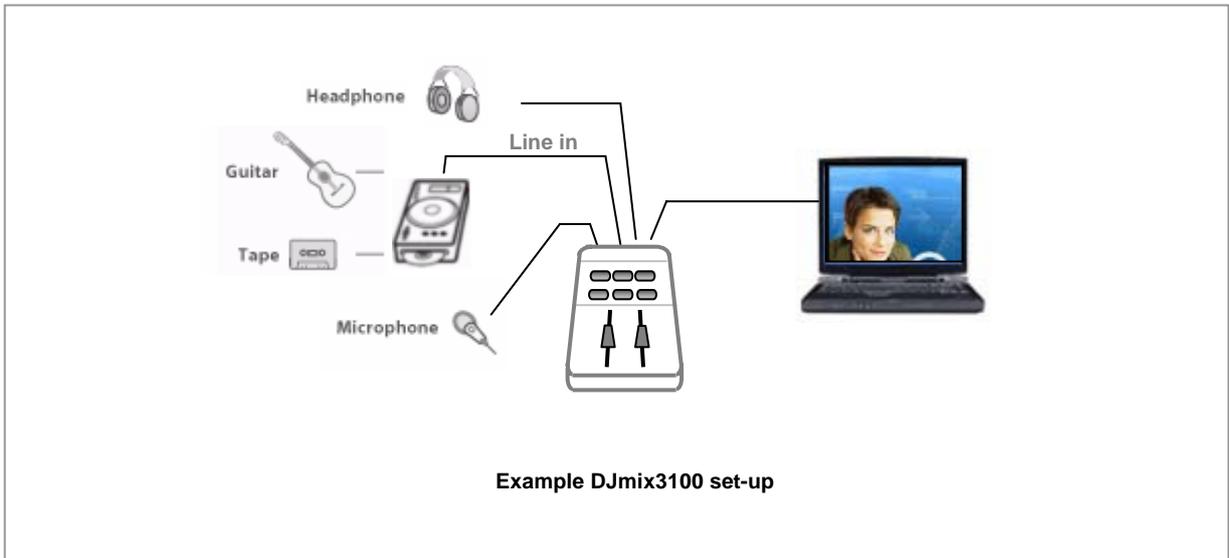
디제이믹스 – 생각하는 그 이상 입니다
For empowering music lovers
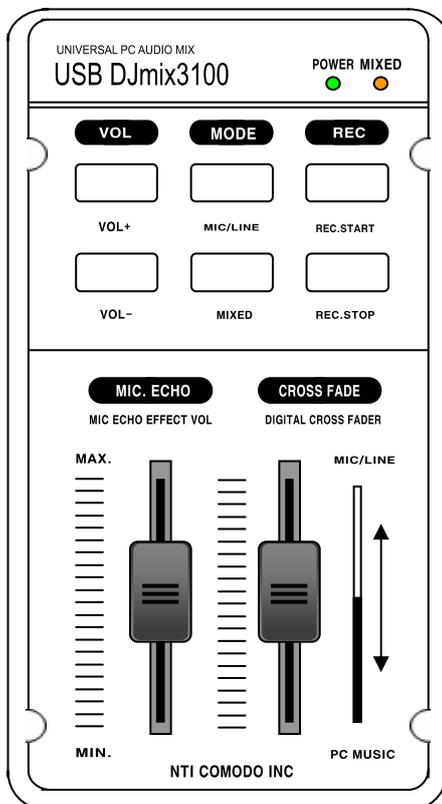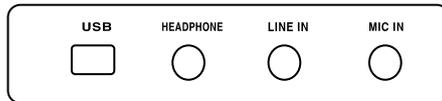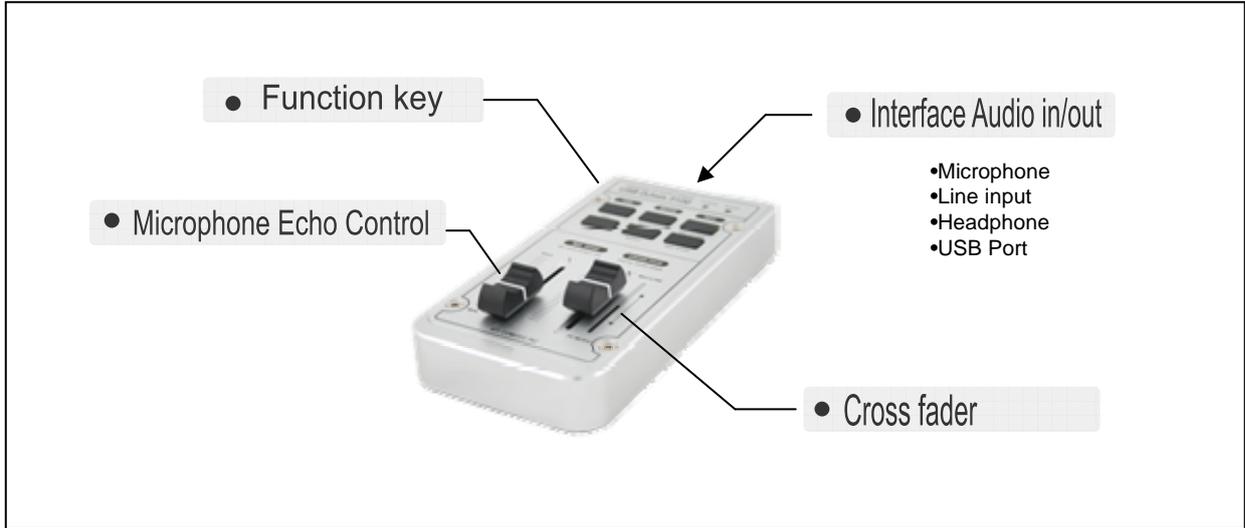PC on stage Music broadcast Deejay, Audio producing, Music recording

DJMIX

NTI Comodo Inc

▪ Out look

1. Control panel and audio interface outlook

The DJmix3100 control panels are consists of I/O Interface, function keys, Cross fader slider, and microphone echo slider block as shown in follows.

● Function key

● Microphone Echo Control

● Interface Audio in/out
- •Microphone
- •Line input
- •Headphone
- •USB Port

● Cross fader

USB   HEADPHONE   LINE IN   MIC IN

UNIVERSAL PC AUDIO MIX
USB DJmix3100

POWER MIXED

VOL	MODE	REC
VOL+	MIC/LINE	REC.START
VOL−	MIXED	REC.STOP

MIC. ECHO   CROSS FADE
MIC ECHO EFFECT VOL   DIGITAL CROSS FADER

MAX.   MIC/LINE

MIN.   PC MUSIC
NTI COMODO INC

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2. DJmix3100 Standard set up configuration

The standard set up configuration is as follow figure 1 described how to set up DJmix3100 in your desk or lap top PC. You may to prepare a headphone and microphone before installation.
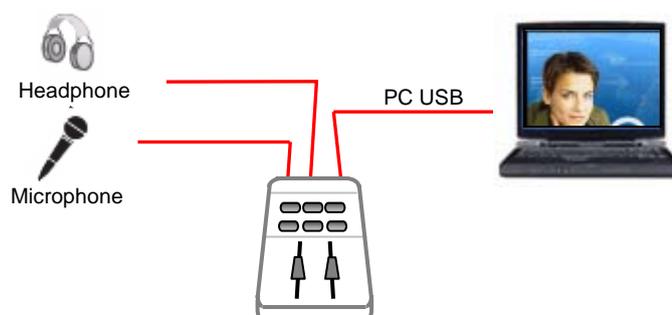

Figure-1 Standard DJmix3100 set up

3. DJmix3100 customer set up configuration

The customer set up configuration is as follow figure 2 described how to set up DJmix3100 in your desk or lap top PC. The Stereo Line input it can be extend to connect more external device such as turntable, CD player or MP3 player. You may to prepare a headphone and microphone before installation.
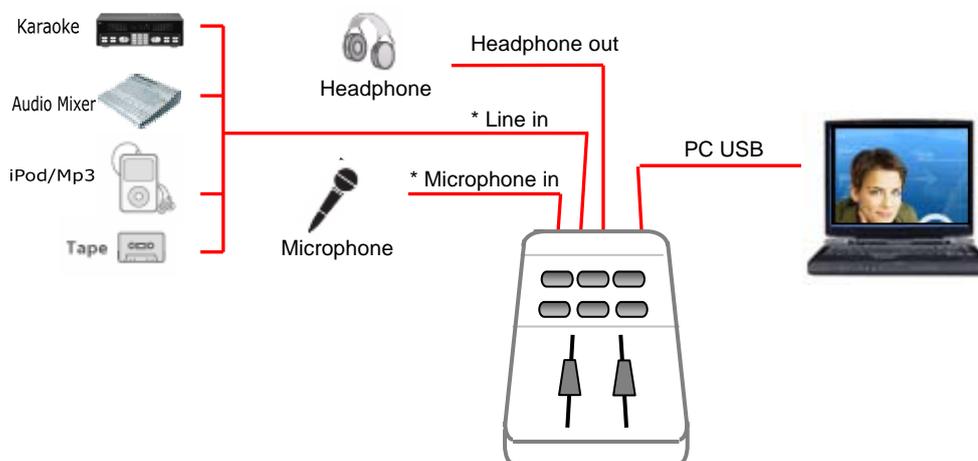

**Figure-2 Customer DJmix3100 set up**

•**Line input and Microphone input select**
 PC windows sound/audio control panel support only one selected between Line in and Microphone. We recommended to select either what you want to use input device.

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**4. Plug and play DJmix3100 when you installed at PC**

Plug in USB cable DJmix3100 and PC then Automatically to start installation by Window USB device wizard program. Please follows descriptions helping you to check DJmix3100 has been correctly installed.
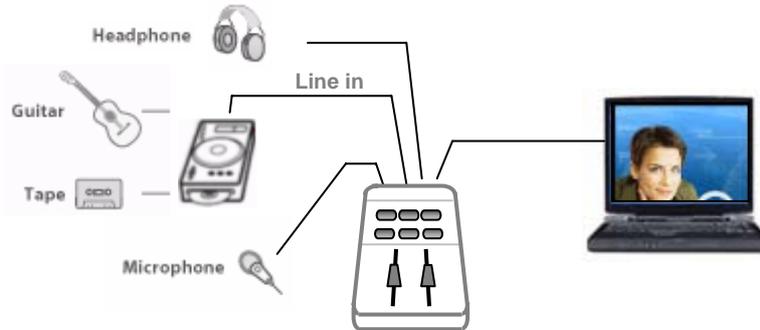
Example DJmix3100 set-up

Step 1. check PC sound/audio device

START/ Execute : type commend "**mmsys.cpl** " and confirm then you can see Sound/audio device information.
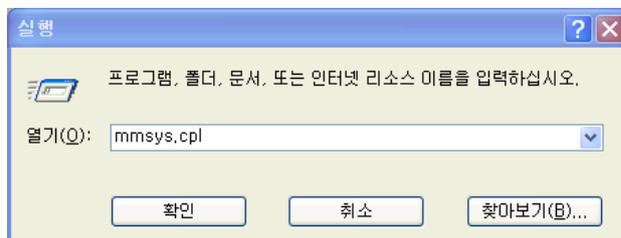
Step 2. DEFAULT device name is NTI Djmix

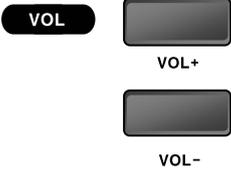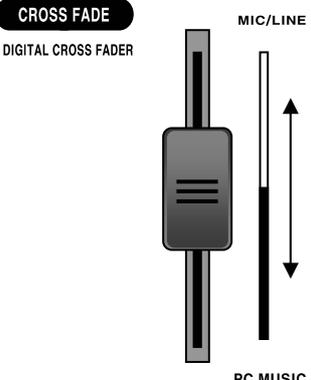Playback and Record DEVICE name should be show up **NTI Djmix** otherwise you can change form device list.

Step 3. Playback and Record with NTI Djmix device

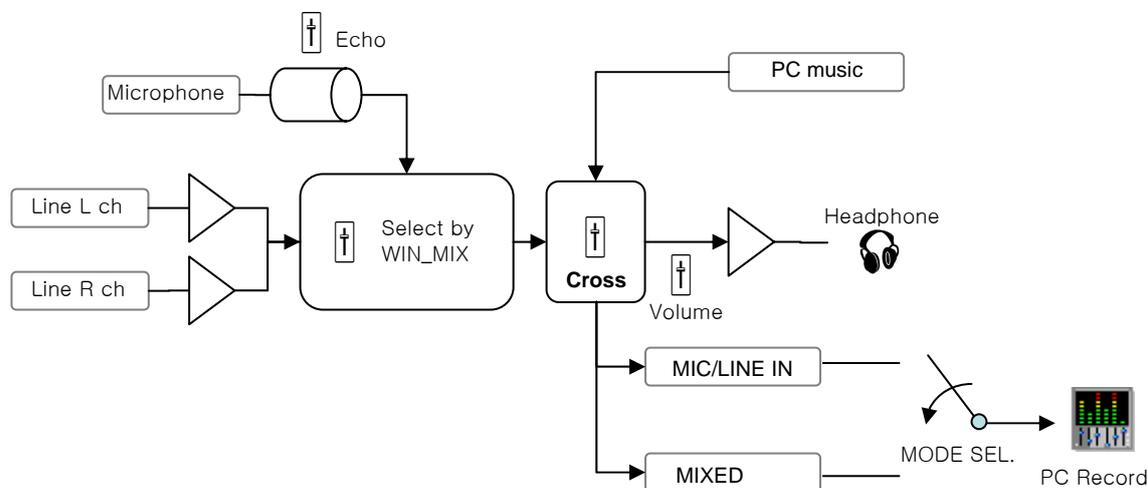Now, you can play music and play out from DJmix3100 headphone.

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6. Control panel

Item	Descriptions	Remark
How to volume control?	The Volume control panel is tactile push switch. It can be adjust increase, decrease and mute toggle. Increase and decrease audio level is 25 step from mute to maximum level. All your PC volume committed this volume control panel and user can control playback music volume by DJmix3100 VOLUME control panel.	**VOL** VOL+ VOL−
What's Mic/Line, Music and Mixed?	The DJmix3100 is support unique mode select key for PC record or music broadcast application. For details are as follows; -Mic/Line in mode : Select input only* -Mixed: mixed Mic/Line in and Music •Microphone/Line input PC Win_Mix can select only one input Microphone or Line in. User can select only one what you will select between Microphone and Line in.	Mode LED will turn on if you selected mixed mode * Recommend to select Mixed mod at Broadcast and karaoke user. **MODE** MIC/LINE MIXED
How to use microphone Echo effect control?	The microphone Echo effect control is easy to adjust by slider. -. Echo effect level can adjust by Echo Vol. slider. •Echo effect Echo effect committed only microphone input vocal signal. Feedback reverb time is fixed as about 70mS.	MAX. **MIC. ECHO** MIC ECHO EFFECT VOL MIN.
How to use cross fader?	The DJmix3100 support cross fader between playback music and Mic/Line in signal. If select Mixed MODE, you can cross fade in/out control by cross fader slider move up and down. The cross fader is designed 8 bit AD convert and 32/32 steps. Its very useful for music lovers.	**CROSS FADE** MIC/LINE DIGITAL CROSS FADER PC MUSIC
LED indicator	There are 2 LED as 1 Power, and 1 mode	

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7. Function flow diagram

• Audio I/O interface description

Item	Descriptions	Remark
Microphone input	1/8 " Mono jack support condenser/or dynamic type	Input select by WIN_MIX
Line input	1/8" Stereo jack Maximum input 1V p-p	
Headphone out	1/8" Stereo jack recommend 32 ohm(16+16 ohm) load	

• Cross fader control

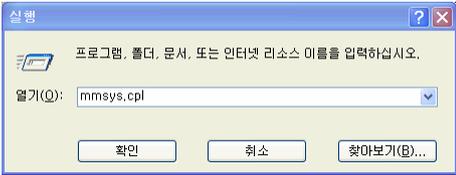| Cross fade	Descriptions	Remark
	Cross fader require 2 audio source and control fade in/out between audio sources. DJmix3100's support to cross fading control between microphone/or Line in audio and playback PC music. User can select input audio **microphone** or **Line input** by Win_Mix control panel.	

• Others

Parameter	Descriptions	unit
Power supply	USB Self bus power DC 5.0 Volt	Min. 4.5Volt
Audio sample rate	DAC 16bit 48K sample rate, ADC 16bit 48K	
Cross fader	Analog Slide type potent ion meter	8bit A/D convert
Echo effect	70m Sec, delay and feed back volume adjustable	Potent ion meter

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8. Example use – DJmix3100 standard cross fader

Procedure	Descriptions	Remark
Set up DJmix3100	Please see Figure-1 diagram on page 2 and set up DJmix3100 in your desk/Lap top PC Prepare PC headset on your hand. * Microphone, recommend DYNAMIC type of microphone to use.	Please check your PC system Window OS and USB Port reserved •**Requirement** Windows OS 2000/XP/Vista USB 1 port PC headset – with microphone
Check PC sound/audio device property with DJmix3100	**Start/Execute** input "**mmsys.cpl**" commend and check audio playback and record device. It should be appear device name is "NTI DJmix" otherwise user can change priority device from sound card list. 	Device list show up as 2 sound card device such as internal PC sound card and NTI DJmix sound card. In order to USB sound card supported with DJmix3100 already connected in your PC.

Play music
 	
Mixed microphone and music signal.
	Now you can play a music and check volume control increase/decrease and mute toggle.
	
	Meantime, if selected "MIXED" mode by touch and push Mixed tactile switch. You can listen microphone vocal and playback music too.
	
	Now enjoy playback music and microphone vocal mixing with cross fader slider.
		-Window media player support music file playing.
		
		- DJmix3100 mode select
		  Mic/Line in, Mixed
		
		-DJmix3100 cross fader slider
		  Cross fader move up/down as much as your fade control speed.

Trouble shooting	Q1. How to microphone volume control? Q2. Can't listen playback music Q3. Why can't mixed my vocal and music after record mp3 file? Q4. Why DJmix3100 playback music sound quality is poor?	A1. Adjust Microphone Vol. slider A2. Check Mute toggle set mute A3. Check MIXED mode before start record. A4. Please check USB port and changed other USB port or update USB driver from Microsoft website