

User's Guide

**Keyboard: Scorpius KIV, Scorpius MVII, Scorpius N1, Gemini M1,
Gemini K1, Gemini N1**

Mouse: Lynx KIV, Lynx LV ,Lynx N2, Gemini M1, Gemini K1, Gemini N1

Receiver: RceiverK1, Gemini M1, Gemini K1, Gemini N1

PM:

Electronic Engineer:

Mechanical Engineer:

Produce by:

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WARNING

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

You are cautioned that any change or modifications to the equipment not expressly approved by the party responsible for compliance could void your authority to operate such equipment.

The manufacturer is not responsible for any radio or TV Interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

SCOPE

The purpose of this specification is to define the electrical and mechanical characteristics of the “ Gemini MI P “.

GENERAL

Description

The “Gemini MI P” keyboard and Mouse Combination has an enhanced NetMedia design and can work with any IBM PC PS/2 compatible computer. Utilizing the latest in rubber mechanical key switch technology, the Scorpius MVII offers durability and style that will enhance any system for years to come. 16 Extra rubber buttons let keyboard link more closer with PC, touch one button to make some functions work immediately.

Features

- Radio Frequency technology
- Netmedia for easy Internet and Multimedia control
- Low power consumption
- 800dpi resolution
- High quality Rubber-Membrane key switches
- Tactile key stroke
- 1,000,000 life cycles per switch
- 104,105,106,107,109 key layout

Package Contents:

- Color box
- Pcs /Carton: 10pcs
- Package contents
 - RF Keyboard
 - RF Mouse
 - Receiver
 - 3AA & 2AA batteries

- User Manual

System requirements

- Designed to work with IBM PC compatible
- Perfected for using with Windows® 98SE / 2000 / ME / XP.

Electrical specification

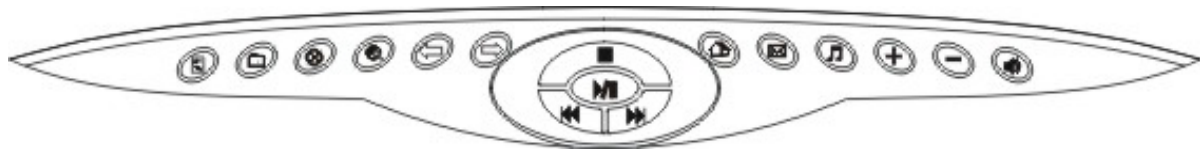
Environmental of Temperatures					
Operating temperature		0 to 50 .			
Non-operation temperature		-10 to 60 .			
Humidity Test					
Condition temperature		25C~55C			
Operating humidity		10% to 85%			
Non-operation Humidity		10% to 85%			
Heat storage		60 , 24Hours			
Cool storage		-10 , 24Hours			
Humidity storage		85%, 24Hours			
Performance specification/ Keyboard					
Switch Life		1,000,000 cycle life			
Performance specification/ Mouse					
X,Y Encoder		Solid-State Optical Mouse Sensor			
Scroll Encoder		Mechanical			
Switch Life		1,000,000 cycle life			
Scroll Encode Life		100,000 cycle life			
Hardware Resolution		800dpi			
Power Requirements					
Keyboard	Mode	Operation Voltage	Power Consumption		
			Max	Nom	Min
	Working Mode	3V		7mA	
	Sleeping Mode	3V	0.14	0.1mA	0.06
	Operation voltage	2V~4.5V			
Mouse	Working Mode	3V		40mA	
	Sleeping Mode	3V	4mA	0.2mA	0.01mA
	Operation voltage	3.5V~1.5V			
Receive	Power Consumption	30mA			
	Operation Voltage	5Vdc+5%			
EMI / EMC					
FCC ID		Keyboard: F2QRFCOMBOSCM7ITR Mouse: F2Q96C96001M7			
CE		1.EN55022: 1998 Class B 2.EN 301 489-3 3.EN 300 220-3			

	4.IEC 60 950:1991+A1+A2+A3+A4+A11 5.EN 60 950:1992+A1+A2+A3+A4+A11
BSMI	CNS13438 乙類.
Environmental of electrical	
Shock test	The mouse shall withstand a shock equal to 20G forces, half sine wave for 11 msec duration in all three (3) orthogonal axes.
Drop test (unpackage)	Drop the mouse from 60 cm height above a wood board 15mm thick placed on a concrete floor, 3 times in the same direction.

Mechanical specification

Material	Keyboard	Mouse	Receiver
Cover	HIPS	PC	HIPS
Key top	ABS	ABS	HIPS
Body Weight & Dimension	Keyboard	Mouse	Receiver
Weight	800g	100.5grams	88.5grams
Length	475.5mm	130.1mm	102.8mm
Width	172mm	73.1mm	82.2mm
High	32mm	39.5 mm	30.3mm
Body colors	Keyboard	Mouse	Receiver
Upper color	Black	Black	Black
Lower color	Black	Black	Black
Key color	Black 6U	Silver(877c)	-
Left and Right key color	-	Silver(877c)	-
Roller color	-	Cool Gray	-
Cable color	-	-	Black
Windows	-	-	Black
Rubber key color	Grey	Grey	Grey
Model Label color	White	White	White
Rubber/ Membrane			
Rubber Dome contact Resister	100Ω (max)		
Membrane Contact Resister	100Ω		
Membrane Open Resister	10M Ω		
Box Dimension:			
Length	470mm		
Width	205mm		
High	95mm		

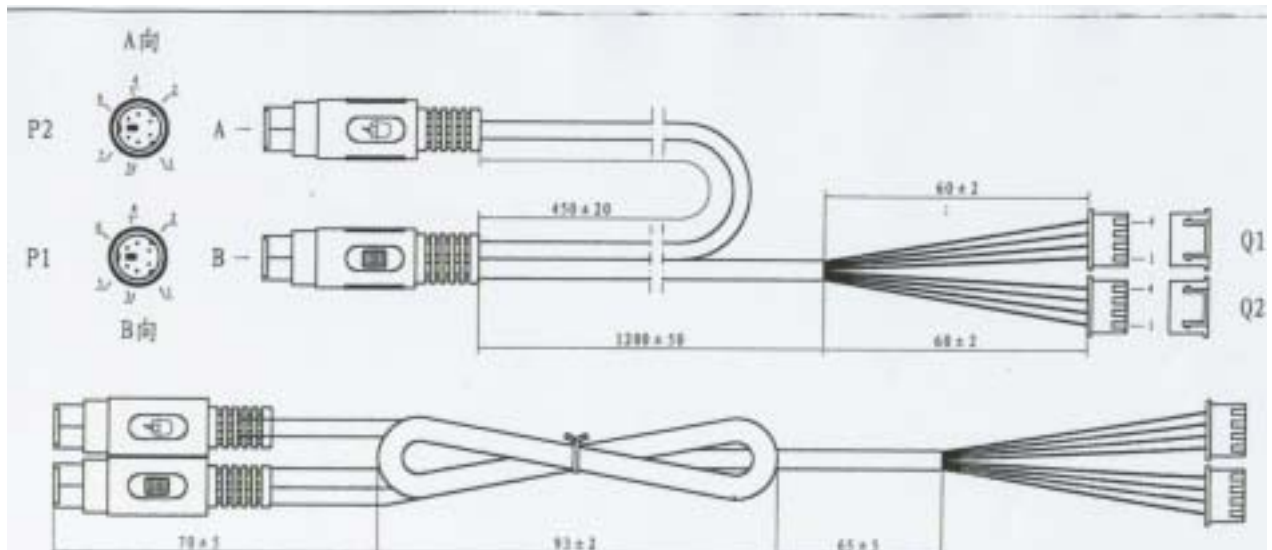
Hot keys explain



Definition of the 16 Multimedia Hot Keys

	Refresh	: Refresh web sites
	Mail	: Open Default E-mail application
	Media Select	: Turn on the Media player program.
	Volume Up	: Increase volume output
	Mute	: Mute volume output temporarily
	Volume Down	: Decrease volume output
	Stop	: Stop Playing
	Play/Pause	: Instruct the CD/VCD/DVD player to the previous track
	Previous Track	: Instruct the CD/VCD/DVD player to the previous track
	Next track	: Instruct the CD/VCD/DVD player to the next track
	Home	: Back to web home page
	Favorites	: Open My favorite after into Internet browser application
	Stop	: Stopping web download current web Page
	Search	: Search particular web sites
	Back	: Back to the last page on Internet browser
	Forward	: Forward to the next page on Internet browser

Cable specification



Connector Pin Assignments

The standard connector pin out for PS/2 is as follows:

DESCRIPTION	SIGNAL	PINS	CONNECTOR
Keyboard Data	+5Vdc Signal	1	
NC	NC	2	
Ground	0	3	
Power Supply	+5Vdc	4	
Keyboard Clock	+5Vdc Signal	5	
NC	NC	6	

RF SPEC

	Keyboard	Mouse	Receive
FREQUENCY	27.095MHZ	27.045MHZ	26.64MHZ/26.59MHZ
MODULATION	FSK	FSK	FSK
ID	256	256	256
DATA RATE	4.8K	4.8K	4.8K
POWER LEVEL	0 dB	0 dB	
SENSITIVITY			-90 dBm
TRANSMISSION DISTANCE	1.5M	1.5M	1.5M

New key codes for scan set 1:

New key	Make		Break	
LWIN	E0	5B	E0	DB
RWIN	E0	5C	E0	DC
APP	E0	5D	E0	DD
N-CHG(131)	7B		FB	
GHG(132)	79		F9	
ROMA(133)	70		F0	
K14	7D		FD	
K56	73		F3	
K107	7E		FE	
KL	F1		X	
KR	F0		X	
POWER	E0	5E	E0	DE
SLEEP	E0	5F	F0	DF
WAKE UP	E0	63	E0	E3

New key codes for scan set 2:

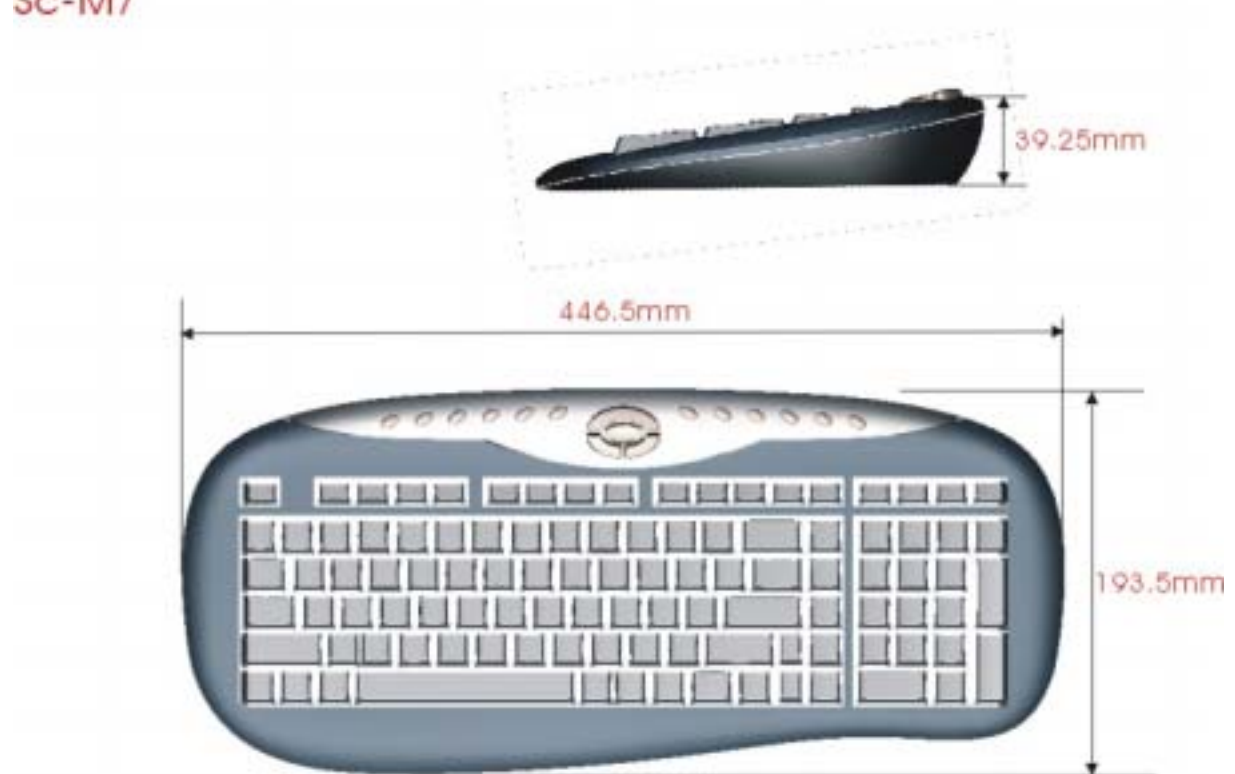
New key	Make		Break	
LWIN	E0	1F	E0	F0 1F
RWIN	E0	27	E0	F0 27
APP	E0	2F	E0	F0 2F
N-CHG(131)	67		F0 67	
GHG(132)	64		F0 64	
ROMA(133)	13		F0 13	
K14	6A		F0 6A	
K56	51		F0 51	
K107	6D		F0 6D	
KL	F1		X	
KR	F2		X	
POWER	E0	37	E0	F0 37
SLEEP	E0	3F	E0	F0 3F
WAKE UP	E0	5E	E0	F0 5E

New key codes for scan set 3:

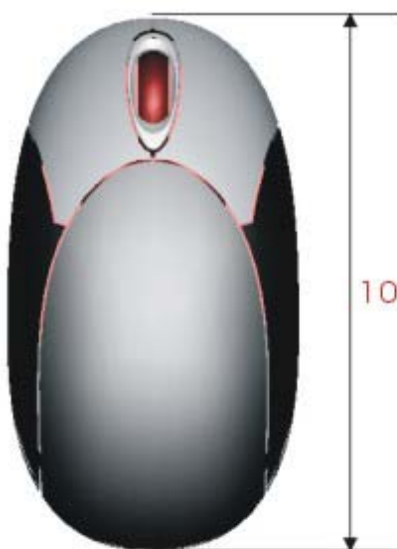
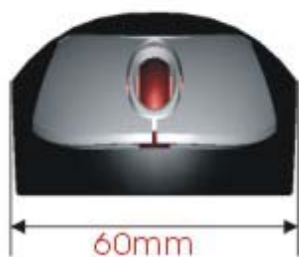
New key	Make	Break	
LWIN	8B	F0 8B	MAKE/BREAK
RWIN	8C	F0 8C	MAKE/BREAK
APP	8D	F0 8D	MAKE/BREAK
N-CHG(131)	85	F0 85	MAKE
GHG(132)	86	F0 86	MAKE
ROMA(133)	87	F0 87	MAKE
K14	5D	F0 5D	TYPOMATIC
K56	51	F0 51	TYPOMATIC
K107	7B	F0 7B	TYPOMATIC
KL	F1	X	
KR	F2	X	
POWER	X	X	
SLEEP	X	X	
WAKE UP	X	X	

Physical

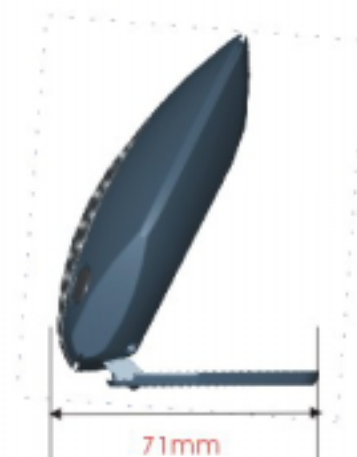
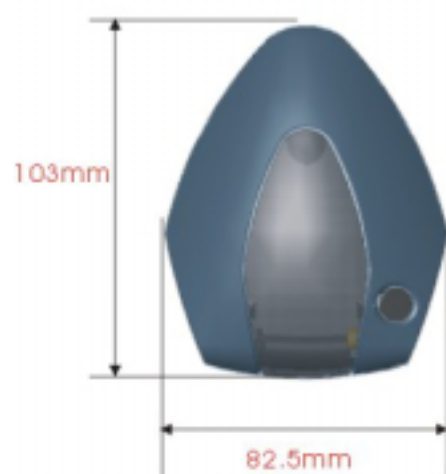
Sc-M7



Ly-M7



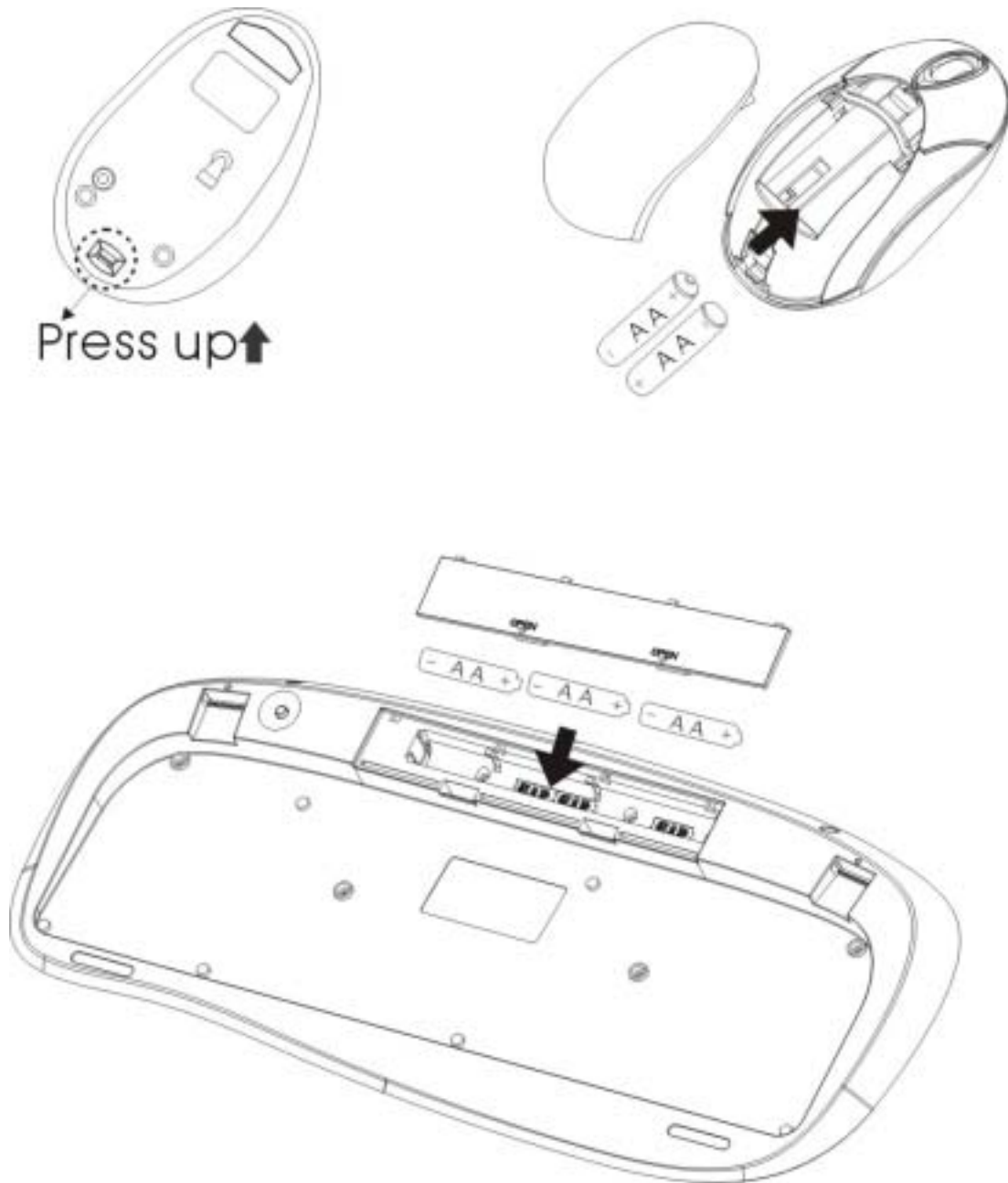
Receiver



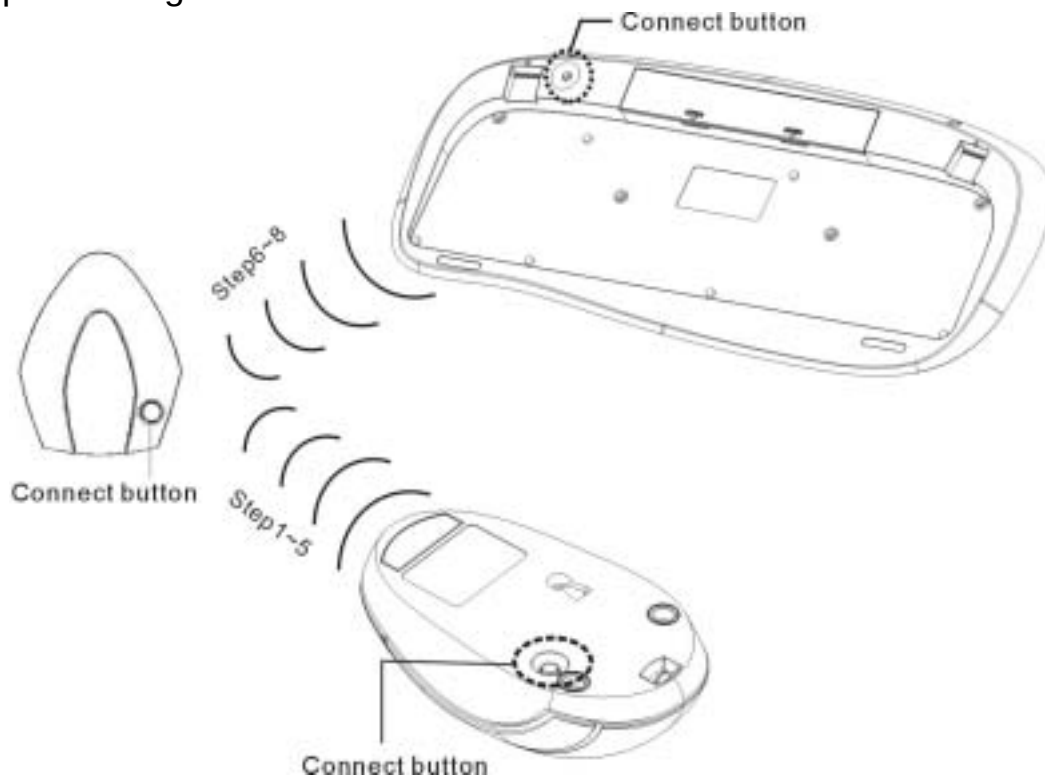
SETUP GUIDE

Insert Batteries

Insert provided batteries in mouse and keyboard. Refer to diagram inside battery compartment.



Setup for linkage



Reset ID before using

- Step 1: Connect the receiver to your computer
 - Step 2: Push the button on the back of the mouse (in upper left corner).
 - Step 3: Push the "CONNECT" button on the receiver. Please note that this step must be completed after Step 2 within 8 seconds.
 - Step 4: Move pointer, when the receiver and the mouse are connected, the LED will blink, the setting has been completed.
 - Step 5: Please go back to Step 2 if the LED does not behave as that in Step 4.
 - Step 6: Push the button on the back of the keyboard (in upper left corner).
 - Step 7: Push the "CONNECT" button on the receiver. Please note that this step must be completed after Step 6 within 8 seconds.
 - Step 8: Push "Space" key, when the receiver and the keyboard are connected, the LED will blink, the setting has been completed.
- Note: If same ID is used by other users and causes interference, just repeat this reset procedure.

Software Installation

Turn on your computer and run either Windows 98SE / 2000 / ME / XP.

1. Insert the CD-ROM into the driver and first setup screen will appear. (If setup does not run automatically, click Start, the Run and run "Auto Run.exe".) Click on "OK" to start setup. (Below is the setup process. Please follow the screens.)
2. To perform the "NetMeida key functions setting", you have to select "Keyboard".
3. To perform the "Programmable function setting" for mouse, you have to select "3 Buttons Mouse".
4. After installation is completed. Please re-start the computer.