EUT:MOUSE

FCC ID:FSUGMZFQ

KYE SYSTEMS CORP.

USER'S MANUAL

BRIEF WORKING DESCRIPTION OF RF OF THE NewScroll Wireless
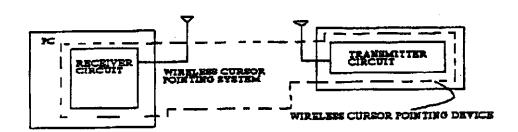
● The wireless mouse employed frequency modulation (FM) schemes.

TRANSMITTER

(1) The different effective capacitance in combination with inductance of inductor is used to determine the upward or downward frequency change, and the upward or downward frequency change is output as a "0" or "1" signal, respectively, and constitutes the transmitted signal.

(2) A switch is coupled to variable frequency modulator circuit to selectively provide high frequency circuit with one of two channels or frequencies. A first crystal generates a first frequency, and a second crystal generates a second frequency. In the preferred embodiment, the first frequency is 9.050Mhz, and the second frequency is 9.017Mhz. Switch is manually controlled by a user and allows the user to select different frequencies when employing more than one wireless cursor-pointing device.

(3) Triple frequency circuit increases the frequency change of the signal by a factor, as a 27.150Mhz or 27. 051Mhz. (Original frequency 9.050Mhz or 0.017Mhz)

9.017Mhz(BASE FREQUENCY) X 3(TRIPLE FREQUENCY)=27.051MHZ AND 27.039MHZ(FREQUENCY DEFLECTION)

9.050Mhz(BASE FREQUENCY) X 3(TRIPLE FREQUENCY)=27.150MHZ AND 27.139MHZ(FREQUENCY DEFLECTION)

(4) An antenna is coupled to the output of the buffer circuit to transmit the modulated high frequency version of the cursor control signal to the receiver.

RECEIVER

(1) Receiver circuit includes a de-modulation circuit that is coupled to the output of the RF amplifier.

26.59MHZ (LOCAL OSCILATOR) + 455KHZ (Intermediate Frequency) = 27.045MHZ

26.69MHZ (LOCAL OSCILATOR) + 455KHZ (Intermediate Frequency) = 27.145MHZ

(2) De-modulation circuit receives the RF signal and responsive thereto generates a digital signal that is provided to an MCU.

PC
RECEIVER CIRCUIT
WIRELESS CURSOR POINTING SYSTEM
TRANSMITTER CIRCUIT
WIRELESS CURSOR POINTING DEVICE

NewScroll Wireless (P+S)

Specification

(1)The mouse supports the industry-standard mouse port (PS/2) and RS-232C hardware interface.

(2)Two channels (27.045MHZ and 27.145MHZ).

(3)This mouse works in a 1.5-meter range, even if desktop items are between it and receiver.

(4)The mouse runs on two standard AAA batteries.

(5)Automatically sleeps during times of inactivity.

(6)Its 400-dpi opto-mechanical encoders give reliable control and accuracy.

(7)The mouse is a three button (right, left, side) designed.

(8)Magic-stick to scroll windows, documents and the Internet easily.

System Requirements

1. IBM 380, 486, Pentium or compatible computer.

2. MICROSOFT WINDOWS 3.1, Windows 95, However, Windows NT is not supported at this time.

3. PS/2 port (or you can connect the 6-pin to 9-pin adapter to a serial port).

4. 3.5-inch disk drive.

5. Hard drive recommended.

Connecting NewScroll Wireless to Your Computer

(1)Turn off the power to your computer.

(2)If you have another mouse installed on your computer, disconnect it.

(3)Connect NewScroll Wireless to a PS/2 port on the back of your computer. If you have the serial

and PS/2 model, you can connect a 6-9 pin adapter to a 9-pin serial port.

(4)Turn the power ON.

Installing the NewScroll Wireless Software

The following procedure installs the NewScroll Wireless Software so you can use NewScroll
Wireless functions in Windows or DOS

(1)Insert the NewScroll Wireless software diskette into drive A or B.

(2)Execution insert software "Setup.exe" file.

(3)Follow the directions on the screen to install the software. You can choose one of type of

Setup you want to install the NewScroll Wireless Mouse on your hard disk.

(4)When installation is complete, the standard option is to restart your computer.

Button, Magic-Stick and Slide Switch Functions

(1)Magic-Stick: Scrolls up or down through the active window or list.

(2)Left Button : Provides traditional mouse functions such as click, double-click and drag.

(3)Right Button: Provides standard right button functions in applications that utilize the right

button.

(4)Side Button : Auto-browsing Function

(5)Slide Switch: channel change, The mouse have two separate channels.