

### **A Powerful, Reliable Connection: Logitech Advanced 2.4 GHz Wireless Technology**

Wireless networks. Cell phones. Wireless printers. It's a wireless work world and today's offices are teeming with wireless laptops. But while the benefits of a truly wireless office are increasingly apparent, some businesses are still concerned about using wireless computer peripherals – such as keyboards and mice – because of the potential for interference and the cost of installation.

Logitech advanced 2.4 GHz wireless technology provides a powerful, robust connection with virtually no delays or dropouts (compared to conventional 2.4 GHz and 27 MHz wireless technologies) even in the busiest wireless environments. And only Logitech advanced 2.4 GHz technology provides high performance, extended battery life and minimal setup costs at an affordable price.

#### **Inside the technology**

Logitech advanced 2.4 GHz wireless technology uses frequencies that are available for electronics around the world. Similar to Bluetooth® wireless technology, Logitech's technology uses frequency-hopping and error-correction techniques, but it also uses a proprietary protocol and architecture for RF communication that conserves battery life and reduces latency. Specifically, Logitech advanced 2.4 GHz wireless technology hops at a rate of up to 250 times per second and supports bi-directional data transmission with error correction to maintain a reliable RF link so you won't experience lag or interference. In addition, for Logitech keyboards, Logitech advanced 2.4 GHz wireless technology offers 128-bit AES keyboard encryption.

Logitech's proprietary wireless protocol is used together with a high-performance RF transceiver. This is a highly integrated, single-chip transceiver that operates in the 2.4 GHz ISM band and is ideally suited for the most demanding applications. With the lowest-power RF solution on the market today, Logitech advanced 2.4 GHz wireless technology offers significantly longer battery life than competing technologies. Some of Logitech's keyboards have an impressive battery life of up to three years, while many of our computer mice offer a battery life of more than one year.

To minimize IT expense, Logitech automatically pairs each mouse and keyboard with the associated transceiver, virtually eliminating conflicts with other devices. Setup is instantaneous; simply plug the receiver into your computer's USB port. Now, when you use a Logitech peripheral with advanced 2.4 GHz technology, you can be certain that when you move your mouse or type on your keyboard, your commands will be carried out instantaneously.

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<b>Feature</b>	<b>Logitech advanced 2.4 GHz wireless technology</b>	<b>Bluetooth</b>
Range	10 m	10 – 100 m
Bandwidth	2 Mbps bursts	1 – 3 Mbps bursts
Latency at reconnection	< 90 ms	.5 – 2 seconds
Interference resistance	Best	Best
Battery life	Best	Good
Report rate	125 rpt/s or faster	80 rpt/s
USB interface	FS	FS

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