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Development of Updated Firmware by [Wizard](#)

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Firmware is a term that is becoming increasingly common outside of engineering circles. People refer to the firmware on their mobile phones, media players, and tablets and other electronics. Most electronics have a small microprocessor in them that controls the rest of the hardware like buttons, USB ports, and countless other functions, controls the user interface, and makes sure everything works to provide the intended use. This hardware is analogous to the monitor, disk drive, and keyboard on your computer. A firmware file stores these instructions and relays them to the processor. Or let us say that the software that runs on this hardware, however, intimately controls the low level hardware, so the term "firmware" was coined. This is called an embedded system.

As electronics advanced, the embedded system platforms became more and more like computing platforms. Available memory, processing power, and communications have increased tremendously. This has had the result of allowing us to write firmware that is more like traditional software. The firmware that drives your media player is more complex than the software that drives your media player application on your laptop. In addition to displaying a list of files, and allowing for play, pause, and fast-forward, the firmware has to control data storage, communication ports, temperature monitoring, battery monitoring, and even provide a secure method for the user to update the firmware! So, to ensure that your devices keep working in an efficient and well organized manner firmware must be constantly updated through a Firmware Development Process .

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