

A man in a red shirt and grey shorts is running on a dirt trail through tall grass. A black and tan dog is running alongside him. In the background, there are rolling hills and mountains under a clear sky.

SOFTWARE UPDATE WITH AN USB FLASH MEMORY TECHNICAL CERTIFICATION TRAINING

Field Engineering | 2010

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Course Objectives

- » What is USB?
 - ◆ Brief introduction
 - ◆ Which Life Fitness' Products Can be Updated by Using a USB Memory Stick?
- » Pictures of Life Fitness' Products that Can Be Updated by USB
- » Limitations to be Aware of Regarding the USB Memory Stick when Used with Elevation Series Consoles
- » Finding Software on the Website
- » Installing Software on the USB Memory
- » Other Uses of USB Memory with the Elevation Series Consoles
 - ◆ Getting Statistics and various logs
 - ◆ Settings cloning
 - ◆ Replacement for the widget and more

What is USB?

- » Brief introduction
 - ◆ USB = Universal Serial Bus
 - ◆ Versions out in the market: 1.0, 1.1, 2.0, 3.0
 - ◆ The purpose is to show how USB is used in Life Fitness products not to discuss the USB standard
- » Life Fitness' Products that can be updated using a USB memory stick:
 - ◆ Elevation series consoles: 7- and 15-inch LCD displays
 - ◆ The DSP motor controller (note: Elevation console does the packet-forwarding job)

Pictures of Life Fitness' Products that Can Be Updated via USB



Inspire Consoles: 7-inch LCD display

Pictures of Life Fitness' Products that Can Be Updated via USB (cont.)



Engage Consoles: 15-inch LCD display

Pictures of Life Fitness' Products that Can Be Updated via USB (cont.)



A DSP motor controller

Software Update with an USB Flash Memory | Technical Certification Training

Limitations to be Aware of Regarding the USB Memory Stick when Used with Elevation Series Consoles

- » Support of USB 1.0/1.1
- » Recommended 4GB Memory Stick
- » System may not work with all kinds of USB memory
- » **Caution:**
 - ◆ before proceeding with a system update in the club, buy a USB memory stick (up to 4GB in size)
 - ◆ make sure that it works with the console
 - ◆ remember: Windows CE is not Windows XP or other desktop Windows operating system – limitations apply.

Finding Software on the Website

- » Log in to www.lftechsupport.com
- » Navigate to: Software Releases » Folders » Software » Engage Inspire Achieve Consoles » Engage and Inspire
- » Before getting the suitable software review the PDF files
 - ◆ Brief document on locating the version information on the Elevation and Inspire products
 - > Locating Software Version in Elevation and Inspire Consoles.pdf
 - ◆ Software Update Instructions
 - > SW10010601N_Software_Update_Instructions_Elevation_1.22.pdf
 - ◆ Get to know the diagnostics by downloading the Desktop Demo of the application (this file is either 125MB or 164MB big) – to install it follow the prompts and go by defaults

Finding Software on the Website (cont.)

- » After reviewing the documents and the demo program get the suitable software from the Console Software directory (Software Releases » Folders » Software » Engage Inspire Achieve Consoles » Engage and Inspire » Console Software)
- » Old releases of software are available as well, down to and including release 1.06

Installing Software on the USB Memory

- » **Always review the Software Update Instructions first.**
- » The Software Update Instructions describe exactly what needs to be done in order to update the console.
- » General structure of the Software Update Instructions for v. 1.22 is as follows:
 - ◆ Document's Header Information (pay special attention to Software Version/Release and Time Required fields)
 - ◆ DESCRIPTION
 - ◆ AFFECTED MODELS
 - ◆ REQUIRED TOOLS
 - ◆ PROCEDURE OVERVIEW
 - ◆ PROCEDURE
 - ◆ REVISION LOG
 - ◆ GLOSSARY
- » **AFTER** reviewing the Software Update Instructions and making sure that your USB memory stick works, proceed with steps outlined in the Software Update Instructions

Other Uses of USB Memory with the Elevation Series Consoles

All of the below are accessible from diagnostics

- » Getting statistics and various logs
 - ◆ Information Menu
 - > Statistics
 - > Software Versions
 - > Belt/Deck Information
 - > System Errors
 - > Maintenance Information
 - > Usage Log
 - > Channel Usage Log
 - > Feature Usage Log
- » Settings cloning
 - ◆ Configuration Menu -> Export/Import Settings
- » Replacement for the widget and more
 - ◆ The application software installed on the USB memory stick is capable of performing updates of all software modules:
 - > Install Platform OS
 - > Install MIB
 - > Install Motor Controller
 - > Install Application Loader

Other Uses of USB Memory with the Elevation Series Consoles

Important note:

- » When **downgrading** the system's software remember to downgrade the Application Loader as well.

Summary

- » In this presentation we had discussed the following:
 - ◆ What is USB?
 - ◆ Which products can be updated using the USB flash memory?
 - ◆ What are the limitations of the USB updates?
 - ◆ After getting the software onto the USB drive (flash memory) what do you **MUST NOT** do?
 - ◆ What are the other uses of the USB memory outside of console reprogramming?

Questions





THANK YOU!

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