

MN 135 Research Project
Dennis Lee
MN 135 Engineering Design with CADD II
Professor: Chitra Javdekar

Research written By: Dennis Lee

My Research is based on a product that I bought a while ago which is my Nike+ Plus SportBand. The Nike+ SportBand is good for running and walking. It only works with any Nike+ Plus Shoe from Nike. The Best thing of all it comes with its own Nike Sensor that you just stick it in its holder in the inner part of the Nike+ Shoe. I do not use the SportBand that often any more. I replaced it with my Nike+ Receiver which is like the end of a Apple USB Connector that connects to the iPod, without the cord it self.

Price of Product

The Price of the Nike+ SportBand will cost you \$59.00 dollars that's with out the tax and with the tax it will cost you a little more.

Operations and specifications of the Nike+ Plus SportBand

The Nike+ Plus SportBand works by when you start walking or running with your Nike+ Plus shoes, press the black small round button on the top for a few seconds, it will start to flash, start walking or running, than press it again, after that it starts to record, press it again it will be paused, press it once more to resume work out. You can Toggle from four different categories are Mile, Pace, time, and calories burned. To stop the recording or run, just hold the button on the top for three seconds and it will stop, then after you can review your run. After your running or walking you can SportBand Link back and plug it in to your USB Drive and it will automatically go to Nikeplus.com to recharge the SportBand Link and as well upload your runs in to the Nikeplus.com website, and which then it will ask you to register it for to use the product if you have not done so already.

Nike+ SportBand Specifications

The Nike+ SportBand has a custom rechargeable battery made of lithium polymer. It's an internal, non-user-replaceable battery. If the product hasn't been used for a while, the battery may need to be charged. The battery is 80% charged in about 1.5 hours and fully charged in 2 hours.

Water resistance: IPX-7 can be immersed in one meter of water for 30 minutes. You can wear it to run in the rain, but don't swim in it.

ATTENTION: Water damage may occur if the buttons are pressed underwater.

ATTENTION: Hot steam may cause damage to the product. Do not wear in steaming shower, spa or hot tub.

ATTENTION: Product should be rinsed thoroughly in fresh water after being exposed to salt water.

The operating temperature is 0 to 50° Celsius.

The buckle is made of stainless steel. The case is polycarbonate, and the strap is polyurethane.

WARNING: NOT A MEDICAL DEVICE.

Should not be used to diagnose, treat or prevent any disease or medical condition.

Before starting any exercise program, you should have a complete physical examination by your physician. Do a warm-up or stretching exercise before beginning any workout. Be careful and attentive while exercising. Stop exercising immediately if you feel pain, or feel faint, dizzy, exhausted or short of breath. By exercising, you assume the risks inherent in physical exercise, including any injury that may result from such activity.

Warning: the sensor is a potential choking hazards. Keep it away from children under three years of age.

Important: Do not attempt to open the sensor, disassemble it, or remove the battery.

No user-serviceable parts are inside.

Referenced from Nikeplus.com User Manual PDF File

http://nikeplus.nike.com/nikeplus/manuals/sportband/en/Nike%20sprtband.man_FNL_4.pdf

Why I chose this product:

I chose to use this product for my research because I have used this product before, and I know there are a few changes or fixes that the company can improve on. This product can track all your running and walking miles all in one. I also chose this product because I purchased a Nike+ Plus Shoe recently back in the end of May and I like the shoe, just don't like the Nike SportBand as much. There is a better product out there.

Additional info

The additional info needed for this particular Nike Product consists of their Nike Shoes, Clothes, backpacks, accessories, sport equipment, sport advertisements, and some few major sporting events, but are mostly known for there Clothing and shoes.

Lifetime Warranty

The Nike+ SportBand has only a One Year Warranty unfortunately, but you can get an extended only at authorized NIKE retailer. Your NIKE product is warranted to be free of defects in materials of workmanship, under normal use, for a period of one year from the date of purchase. This limited warranty

excludes damage resulting from improper care of handling, accidents, modification, unauthorized repairs, normal wear or other causes which are not defects in materials and workmanship. If your product is defective, return it and the store receipt to the place of purchase. If there is a covered defect, we will replace the product (if available) or issue a full refund. We reserve the right to refuse either replacement or refund (but not both) if the cost of doing so would be disproportionate to the defect. This limited warranty is in place of all other express and implied warranties of any kind, which are hereby excluded. In no event shall NIKE be liable for direct, indirect, incidental or consequential damages arising out of the use of the product, and any recovery is limited to the purchase price. No other person or company is authorized to change this limited warranty, and your dealer is solely responsible for any other warranties.

Some states do not allow limitation on how long an implied warranty lasts, or exclusion of incidental or consequential damages, so the above limitations may not apply to you. This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state. The foregoing is without prejudice to other legal rights that may arise under applicable national legislation.

Referenced from Nikeplus.com User Manual PDF File

<http://nikeplus.nike.com/nikeplus/manuals/sportband/en/Nike%20sprtband.man FNL 4.pdf>

What can the company can improve on?

The company can improve on the starting and pausing button, the constant button pressing, on the exterior of the Nikeplus usb link they could either protect or close the small hole or opening of the usb link from the exterior of the product to not let any water or humidity go in to the actual product. An making the battery last a lot longer, in case if he or she is on a vacation , traveling or on the go in which if they have no access to a computer or a computer that does not have a usb hub port it will still work.

Is this Product Nike environment green Friendly?

I have not found a link or have any knowledge of knowing that the Nike+ Plus SportBand is environment green Friendly, but I do know that Nike and other Shoe companies have a environment green friendly program where they take and will be happy to recycle any product shoe even if its not there own company brand.

Here are a few links you may want to check out to find out who and which company offers environment green friendly recycling program:

Letmeplay Reuseashoe - www.letmeplay.com/reuseashoe/

Letmeplay Reuseashoe Grind - www.letmeplay.com/reuseashoe/grind.html

Recycle Programs on just about any thing from NBC Today Show on grist.org -

<http://www.grist.org/feature/2007/11/06/Today/>

A note on Reuseashoe web site and content, this as a good recommended website for those people who want to or thinking of tossing those old shoes of yours. What is Reuseashoe/grind? Reuseashoe/grind is where they take the shoe material and take the material that they need from the shoe and grind them in which they take the grind particles and create new floors from synthetic basketball courts to different playground floors to running tracks, and many other floors.

Go to: <http://www.recycledrunners.com/shoe-donation-programs/shoe-material-recycling-programs/> to find out more on what they do to old shoes.

Who designed / founder of Nike?

The founder of Nike and Chairman is Philip H. Knight. The President, CEO, and Director is Mark G. Parker. The competitors for Nike are Adidas, New Balance, to name a few.

Referenced from Answers.com on Nike - <http://www.answers.com/topic/nike-inc>

Additional Reference info

Nike web site - http://www.nike.com/nikeos/p/nike/en_US/

Nike SportBand -

http://www.nike.com/index.jhtml?cp=USNS_KW_0611081618&l=nikestore,home&re=US&co=US&la=EN&ef_id=1778:3:s_b11f6395eee217ff95bf72a750de6d6f_1680572350:bh79AEGvMUIAAAegEucAAAAA:20080912043633#l=nikestore,grid,pdp,cid-1/gid-181290/pid-181290,grid,f-12004/s-nike%20sportband&re=US&co=US&la=EN

Answers.com on Nike - <http://www.answers.com/topic/nike-inc>

Recycledrunners.com - <http://www.recycledrunners.com/shoe-donation-programs/shoe-material-recycling-programs/>

Nike Manual in PDF File -

http://nikeplus.nike.com/nikeplus/manuals/sportband/en/Nike%20sprtband.man_FNL_4.pdf

NBC Today Show recycle program on grist.org - <http://www.grist.org/feature/2007/11/06/Today/>

Letmeplay Reuseashoe - www.letmeplay.com/reuseashoe/

Letmeplay Reuseashoe Grind - www.letmeplay.com/reuseashoe/grind.html