Pete Denman

Designer
UX, Interaction, Graphic

Quadriplegic, Dyslexic

Prototype Technologist

Quadriplegic

- Spinal injury
  - Cervical 4-5
- limited feeling, almost no movement
- 26.5 years in a chair

Dyslexic

- Hidden “disability”
- Shame. Not fitting in the standard mold
- The Dyslexic advantage

Design research

Fonts / Typography

Guidelines

Typeface chosen for your applications should adhere to common guidelines regarding the readability of san serif fonts, and th[illegible] deemed most readable onscreen. [illegible] page we have detailed some of th[illegible] aspects of all fonts.

As a general rule 14 point type[illegible] requirement for seniors, but i[illegible] 14pt on screen can be tricky[illegible] differ in bit depth and size; [illegible] possible to know how big[illegible] physically measuring it o[illegible]s accomplished with a typ[illegible]ed on the next page.

Guidlines

- Be sure that the text on your display has a high contrast ratio. We recommend an 80% ratio.
- Consider augmenting text with spoken words. This has been shown to improve understanding even in people without vision problems.
- Avoid using too many different fonts; usually two fonts will give good depth without visually complicating the design.

Design research

Ascender

100 point

Descender

Is type on screen at least this tall?

Screen fonts must not have “sarif’s”

Sarif = feet
San = no
san sarif = no feet

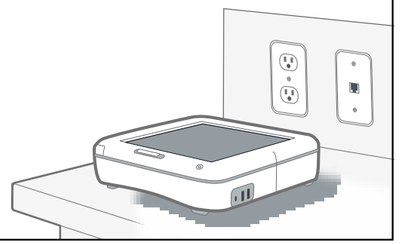
E 72pt E 48pt E 30pt E 20pt E 14pt E 10pt E 8

Testing

Please refer to the Intel Health Guide instruction manual for safety precautions

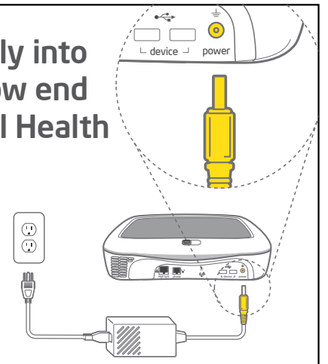
1

Find an open 2 x 2 ft area near a power outlet and phone



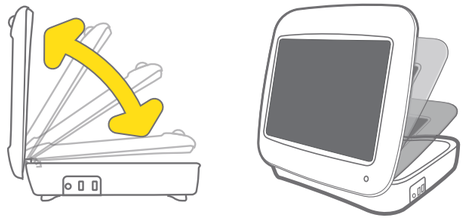
2

Plug power cord directly into the wall and plug yellow end to the back of the Intel Health Guide



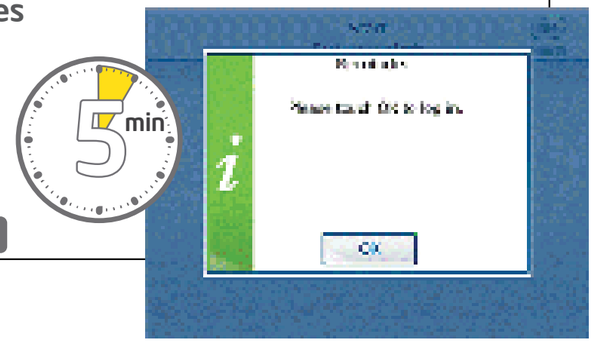
3

Raise the screen by pulling it toward you



4

Please wait for the Intel Health Guide to display this screen. It may take up to 5 minutes



5

Videos will guide you through the rest of the installation.

Document: DHF-1013
Revision: 0.5
Effective: Pending

Connected Wheelchair

show video from hawking endorsement of connected wc

need to get raw footage