

iDriveKite

Christian: iDrive - Patrick: Kite Control

Who can type blind?
(Not looking at the keyboard)

No Really we are asking...hands up if you think you can!!

1. Idea of Blind Control Systems

User must be able to use the system, accurately and efficiently, but visionless for the most part.

iDriveKite

Idea | BMW iDrive | Kite Control Bars | iDrive user scenario | Kite user scenario | Applied Usability Definitions | Usability issues | Personal Opinion

2. BMW iDrive

- Navigation
- Audio
- Phone
- Car Setup
- TV
- Mobile Services

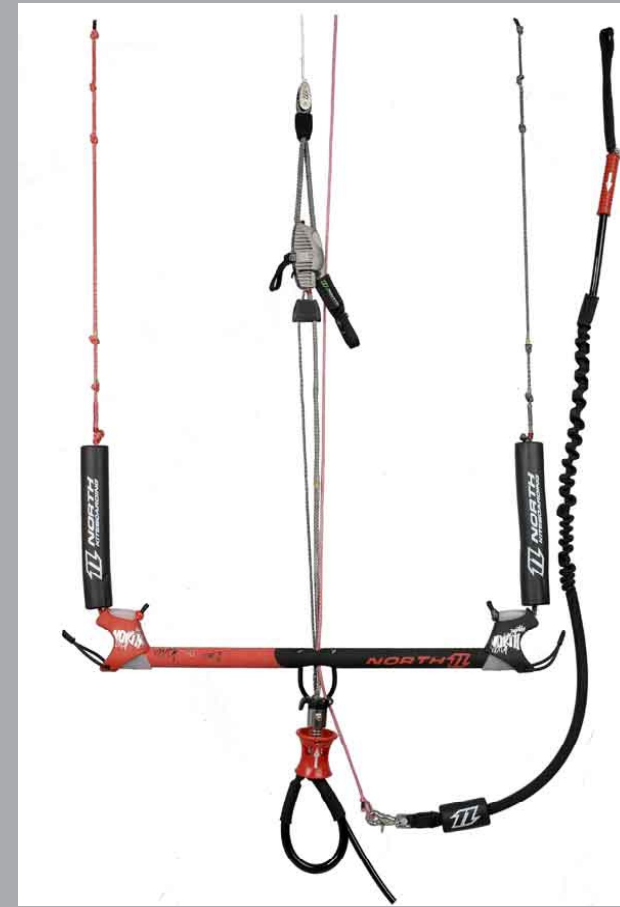


iDriveKite

Idea | BMW iDrive | Kite Control Bars | iDrive user scenario | Kite user scenario | Applied Usability Definitions | Usability issues | Personal Opinion

3. Kite Control Bars

- Kite Control
- Line length
- Kite Angle
- Launching
- Power-up / De-power
- Longer Fly Time
- Fly Upwind
- Hook-on



iDriveKite

4. iDrive user scenario

- Person driving
- Familiar with iDrive
- Rush hour in unknown City
- Therefore he uses Navigation
- Person wants to change CD
- System gives a feedback



iDriveKite

Idea | BMW iDrive | Kite Control Bars | iDrive user scenario | Kite user scenario | Applied Usability Definitions | Usability issues | Personal Opinion

5. Kite user scenario

- Advanced Kiter
- Knows their gear/setup
- Knows the water and other kiter's styles
- Trick – Deadman
- Fly Down wind
- Past other kites, objects
- Take off/land
- Fly upwind

Only looks at kite – when upside down



6. Applied Usability Definitions

- Learnability (Dix and Shake)
- Flexibility (Dix)
- Memorability, Satisfaction (Nielsen)

iDriveKite

7. Usability issues

iDrive

Advantages

- Knob has a feedback
- Main Menu reduced to 4 Points



Disadvantages

- System is slow (bad efficiency)
- Too complex
- Too many steps to reach goal (bad effectivity)
- Person has to watch the screen

Kite - Bar

Advantages

- Safe
- Finger Touch
- "On-the-fly" adjusting
- Allows freedom
- Vestal
- It talks back

Disadvantages

- Not get up and go
- Complex
- Different Kites – different bars
- Different bar – different setup
- Ground time required



8. Personal opinion

iDrive

- Speed
- Personalise Interface
- Simple and Advanced mode to seperate functions
- Reach goal in a few steps (max 2-3)

Kite - Bar

- Constant feedback
- Adjustable on the move
- Simple to use – little time to think

iDriveKite

Idea | BMW iDrive | Kite Control Bars | iDrive user scenario | Kite user scenario | Applied Usability Definitios | Usability issues | Personal Opinion

Questions?