

























World DAB Automotive UX Group

Building a great in-car digital radio UX

























In-car user experience research

Objective: Help inform digital radio UX development

and design guidelines

Questions: How easy is it to use DAB digital radio?

Can you find the DAB radio?

Can you find the station you want?

Can you set a pre-set?

Do you understand the DAB terminology?

Do you value the extra data?

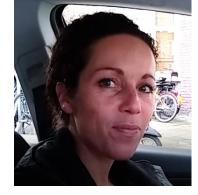
Five European markets

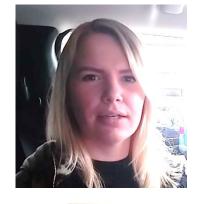








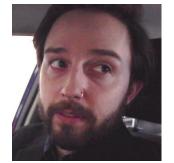








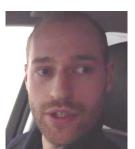










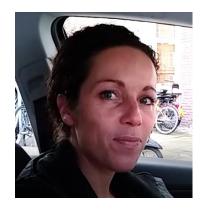




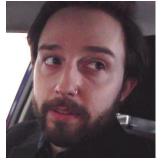


Respondents

- 40 people
- 16 male / 24 female
- Age range: 22-68
- 24 own cars with FM only
- 5 had cars with DAB
- 11 had no car
- 18 have DAB at home































Methods

- Qualitative research
- 2 cars in each market
- Different cars used
- Typically one mainstream, one high-end
- No guidance given on how to use radio



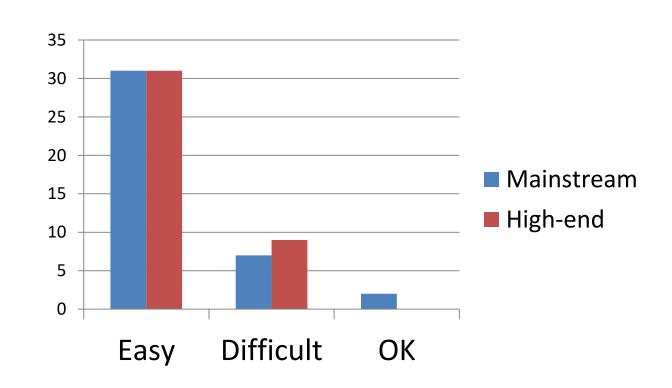




Finding DAB+: A RADIO button is essential

Please can you find the DAB radio?

Was that easy or difficult?



Finding the DAB radio - Observations

Difficult to find DAB behind a "media" button and large menu

In some cars it was difficult to go to DAB from AM/FM

Some respondents unsure if they were listening to DAB

Respondents expected all screens to be touchscreen

Search and tune to a station





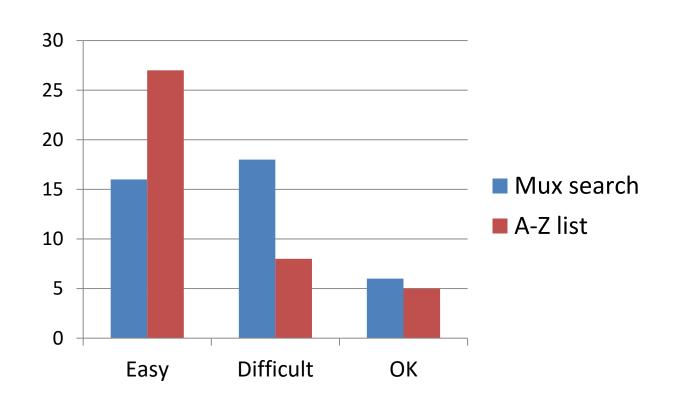




Search and tune: An A-Z station list is best

Please can you tune to XYZ station?

Was that easy or difficult?

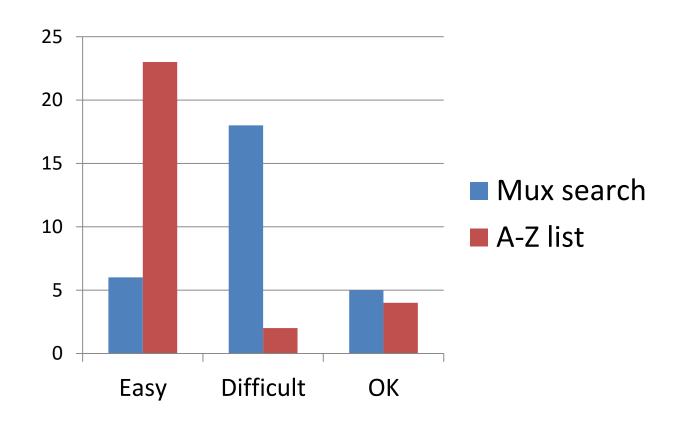


Search and tune: An A-Z station list is best

Without Belgium:

Expanded mux station list

Aftermarket unit with only optional A-Z list



Search and tune: Observations

Using multiplex search many people couldn't find station at all

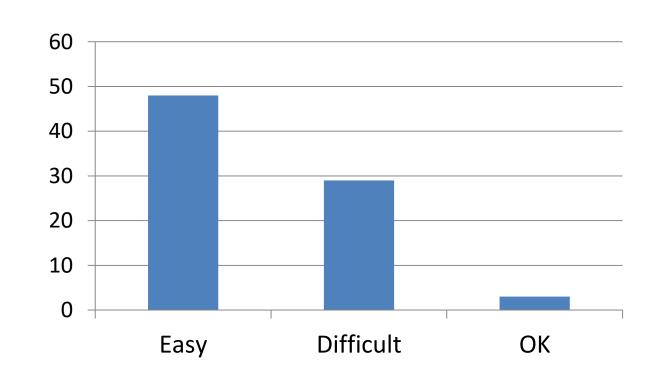
People do not understand what a multiplex is

Searching by multiplex is irritating and confusing

A-Z station list is easy. Some suggestions to make it even easier

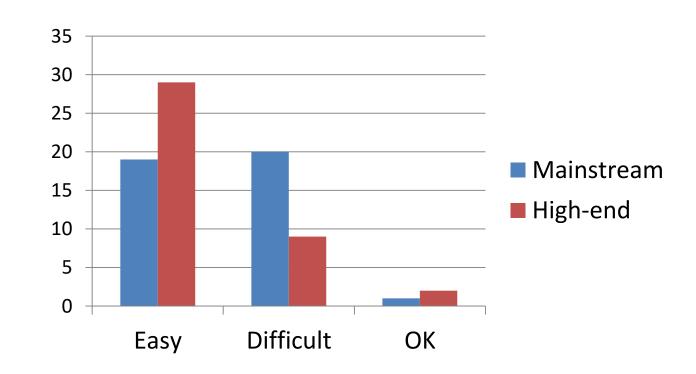
Setting a pre-set: Unless you already know how, it is difficult, sometimes impossible!

Please can you set a station as a pre-set?



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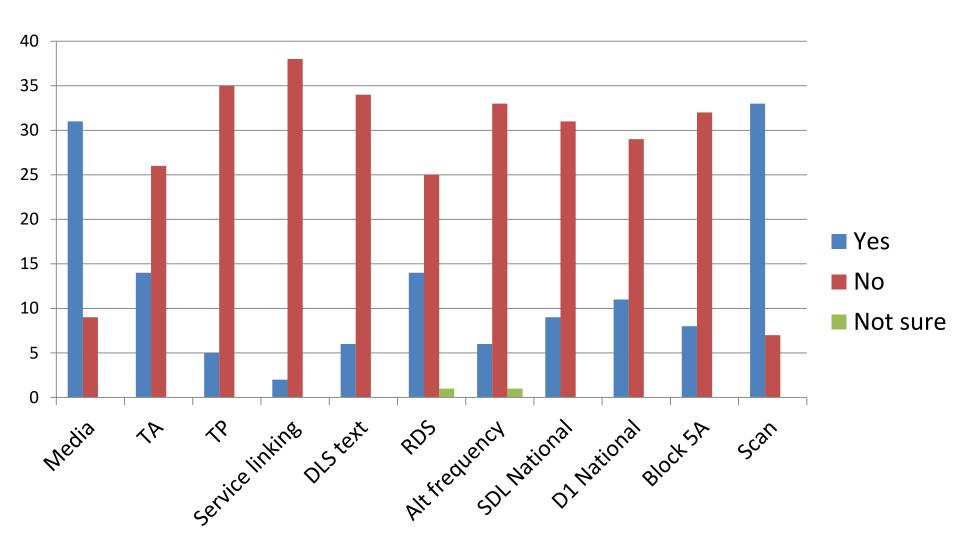


Terminology: It must be easier to understand

Do you know what this means?

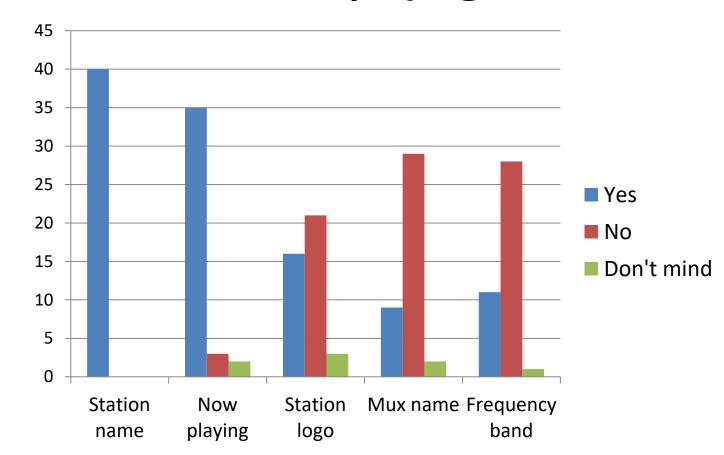
Headline: No one understands TP, service linking or frequency blocks

TP Service linking Media TA DLS text Scan **RDS** Alternative frequency SDL National D1 National Block 5A



Data: Station name and now playing are valued

Is this information useful/of value?



How would you improve the UX?

"Include an A-Z station list"

"Have presets set automatically"

"Remove information on multiplexes and frequency bands"

"Have a logo matrix to search for stations"

"Type station into search bar and have option to show channels by genre"

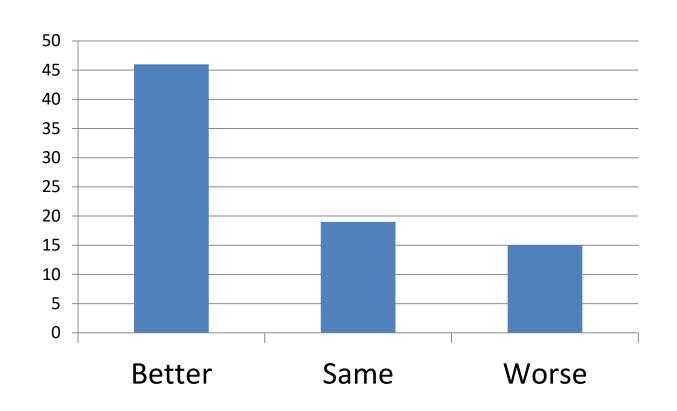
"It must be a touchscreen"

How would you improve the UX?

"Too many menus and buttons. I am lost"

Comparison: Overall the DAB UX is better than FM

How does it compare to using FM Radio?



Conclusions

- 1. A RADIO button is essential
- 2. An A-Z station list is the best search UX
- 3. Pre-sets should be easy to set/explained
- 4. Terminology must be easier to understand
- 5. Drivers expect a great, simple UX

Next steps

- Complete research in France
- Share with broadcasters and car manufacturers
- Develop UX guidelines Complete Q4 2017

