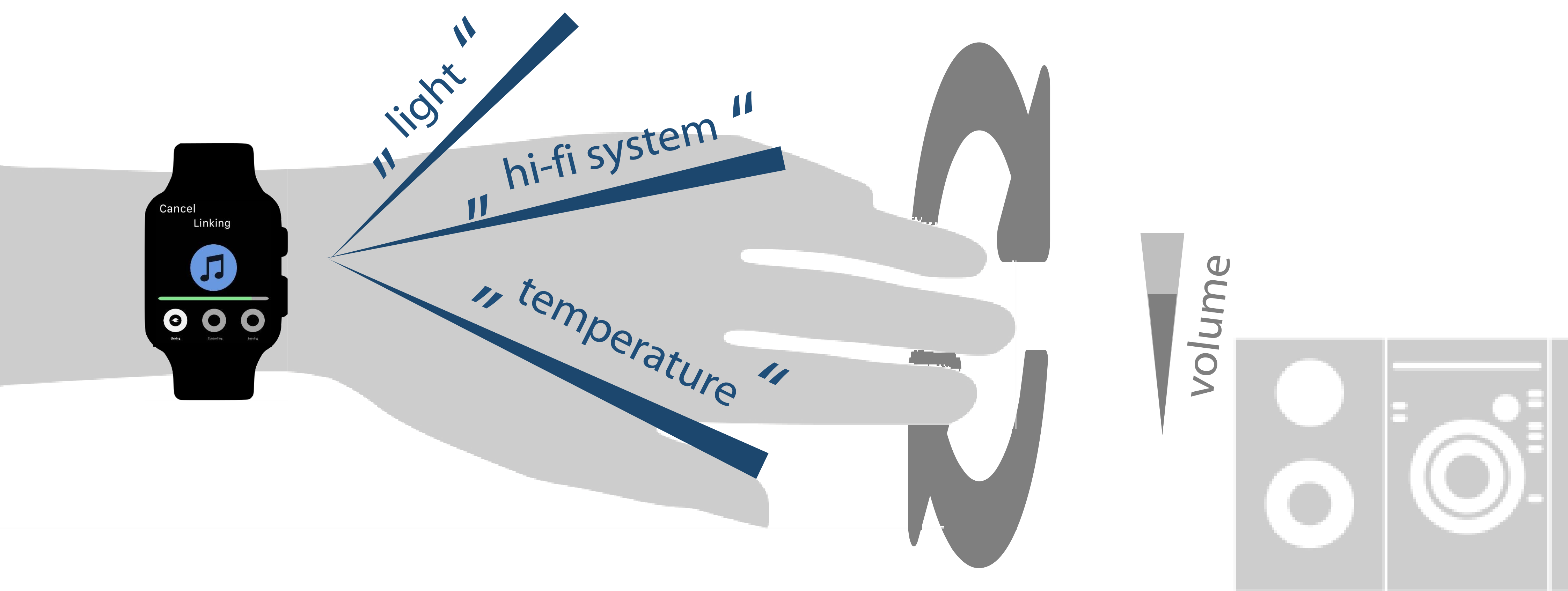


meta.Dial

a novel dial metaphor
making controlling smart devices smart

bringing together voice and gesture

voice and gesture input technologies have distinctive advantages such as naturality and intuitiveness. however, inherent downsides include the translation of fuzzy information into precise control commands in speech or difficultness to communicate abstract actions by gesture. **meta.Me aims at overcoming these downsides, by not just adding but multiplying the advantages of these two technologies.**



a three steps paradigm

for each application case we implemented a three step paradigm that guides the user through the interaction process:
(1) linkage: taking control of a smart home device (e.g. a hifi-system)
(2) control: change e.g. the volume by intuitive dial gesture and
(3) leave control and return to your previous app

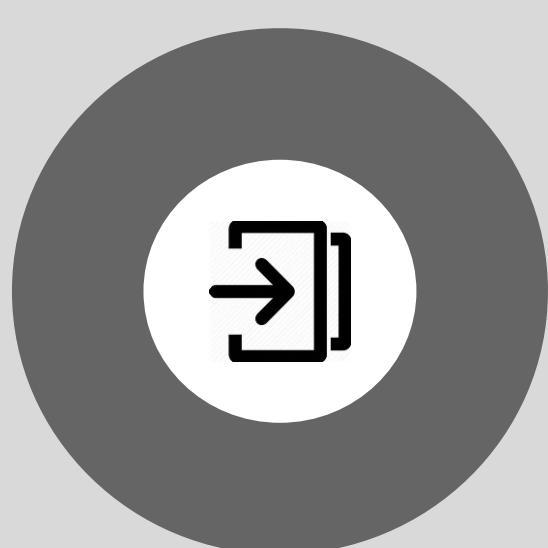
this leads to a clear and easy to learn user interaction that makes controlling a smart device smart.



say e.g.
„hifi-system“



rotate the dial
with your wrist



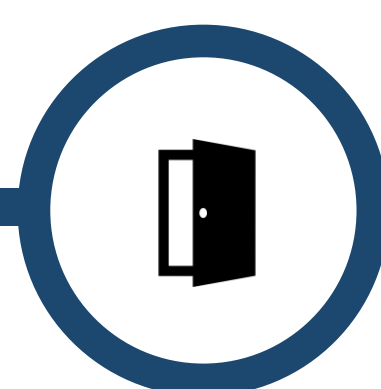
wait or put
down your arm



Voice Error
Tolerance



Double Speed Dialing



Two Way
Disconnect



Free-Hands
Pickup



Niklas Stoehr 史尼克
Choi Yoo Ra 崔瑜罗
Tony Zhang 张泽伦
Markus Philipp 马库斯

