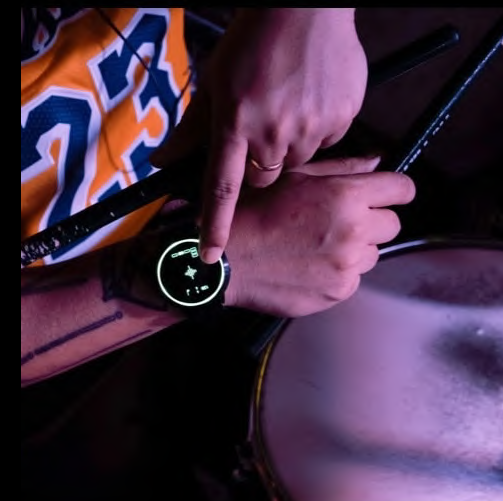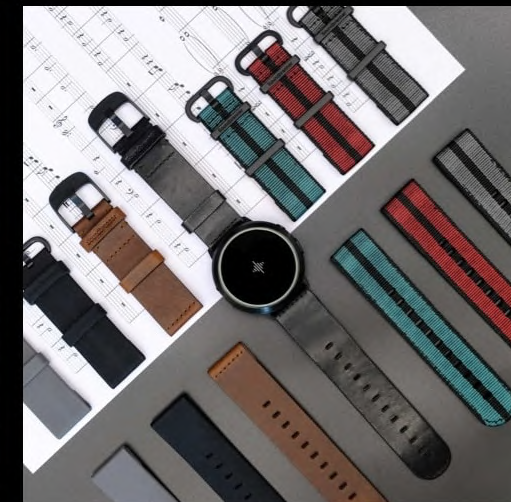# Soundbrenner Core:
Datensparsamkeit bei Bluetooth-Kopplung eines Wearables durch mehrere Nutzer

Soundbrenner

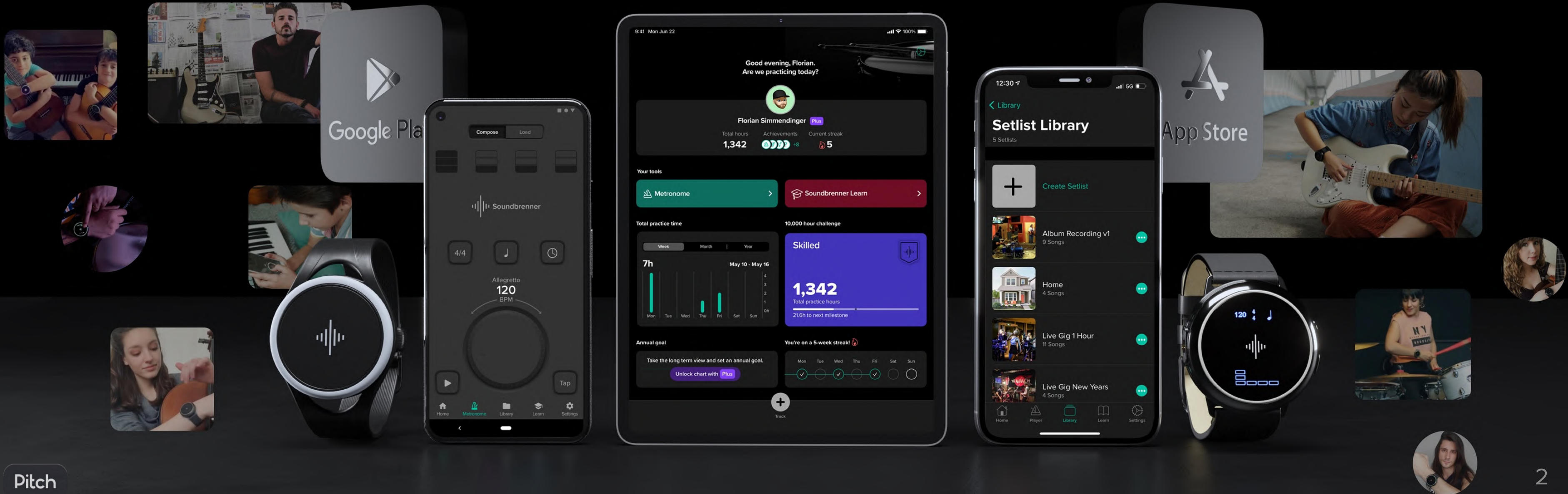Julian Vogels, CTO
November 2021

Pitch

Making music practice addictive

The digital practice hub for every musician.

Used every time music is practiced anywhere by anyone.

The **Metronome** by Soundbrenner

★★★★⯪ 4.7
81,374 reviews

Download on the
App Store

★★★★⯪ 4.7
62,232 reviews

GET IT ON
Google Play

Over
670,000
monthly active users

Over
400,000
hours of music played monthly

On track for
1,500,000
organic downloads in 2021

Try it free, scan QR code on your phone or visit

www.soundbrenner.com/download-app

Pitch

3

Less practice pain, made possible by our unique devices

7G ERM vibration motor

📽️ **Video**

Over
100,000
devices shipped to date

Over
US$10,000,000
device revenue to date

On track for
US$3,000,000
device revenue in 2021 (best year)

Soundbrenner Core connectivity

tempo & phase network synchonization

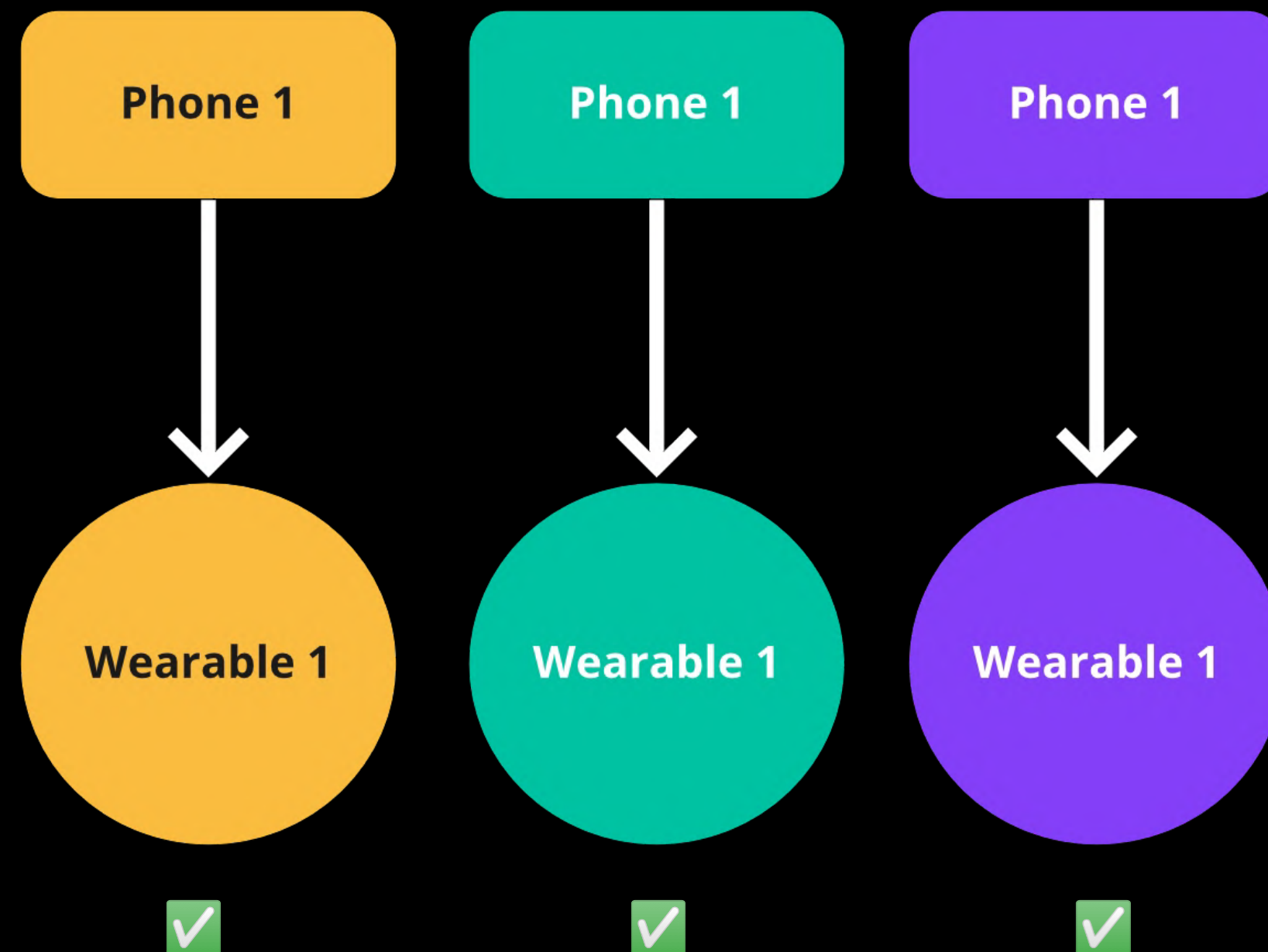UP TO 5 WITH ONE APP MULTIPLE APPS CAN SYNC AS WELL

settings and configuration

BPM, TIME SIGNATURE, ACCENTS, HAPTIC EFFECTS, TIME & DATE, ...

notifications
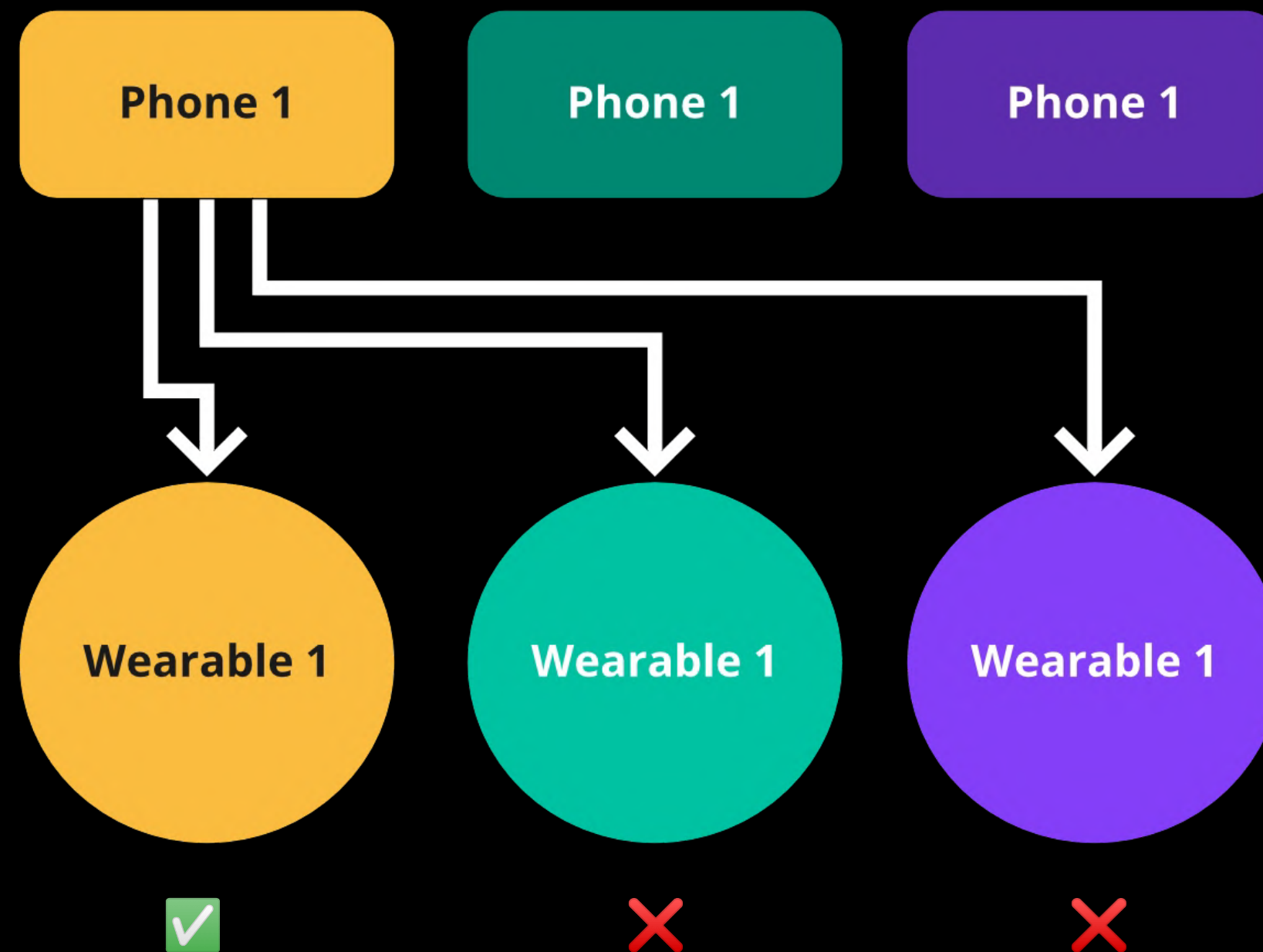
APPLE ANCS ANDROID CUSTOM SERVICE

Single link scenario

Each peripheral is connected to the central device which owns them

Phone 1	Phone 1	Phone 1

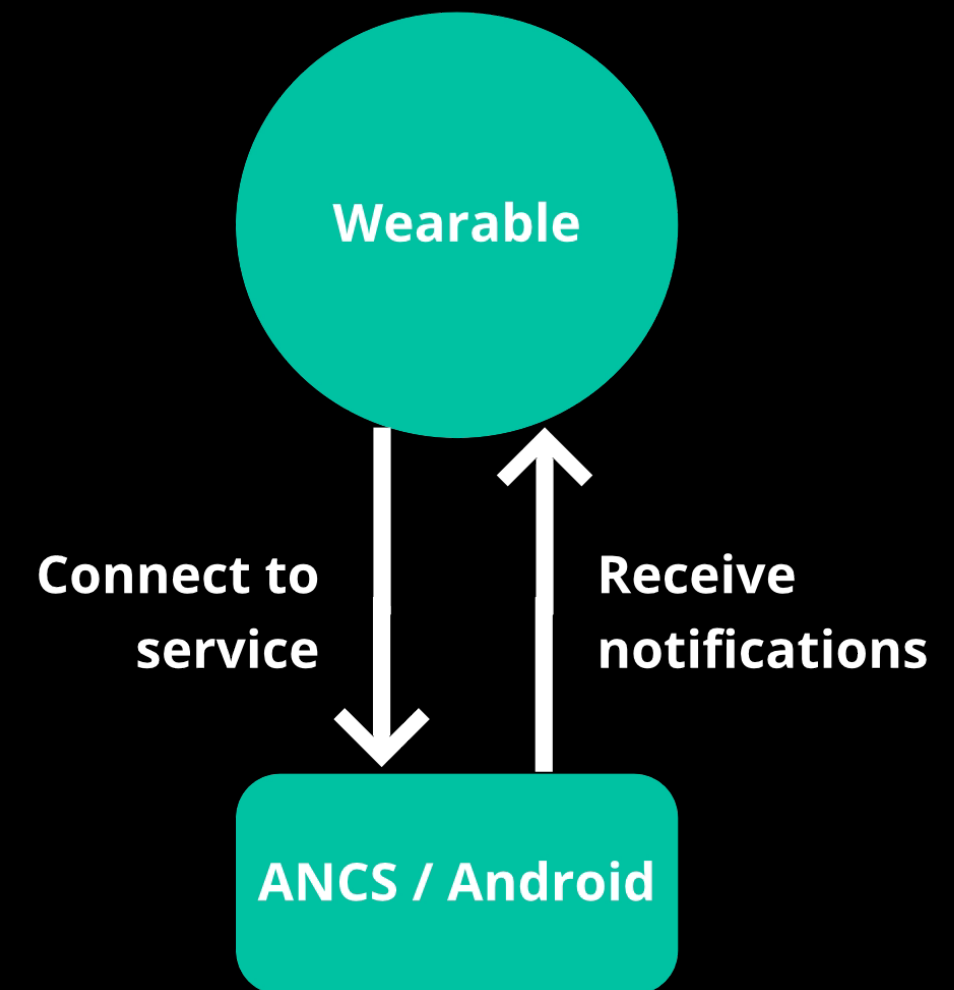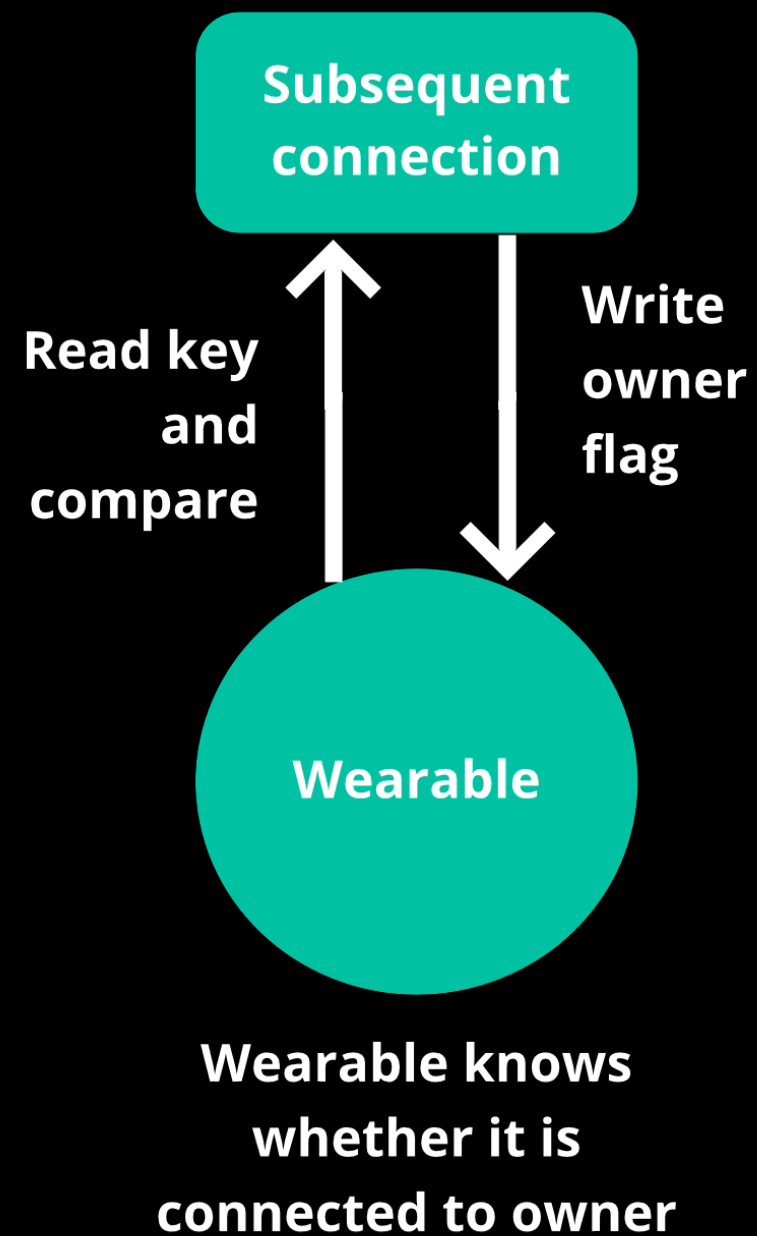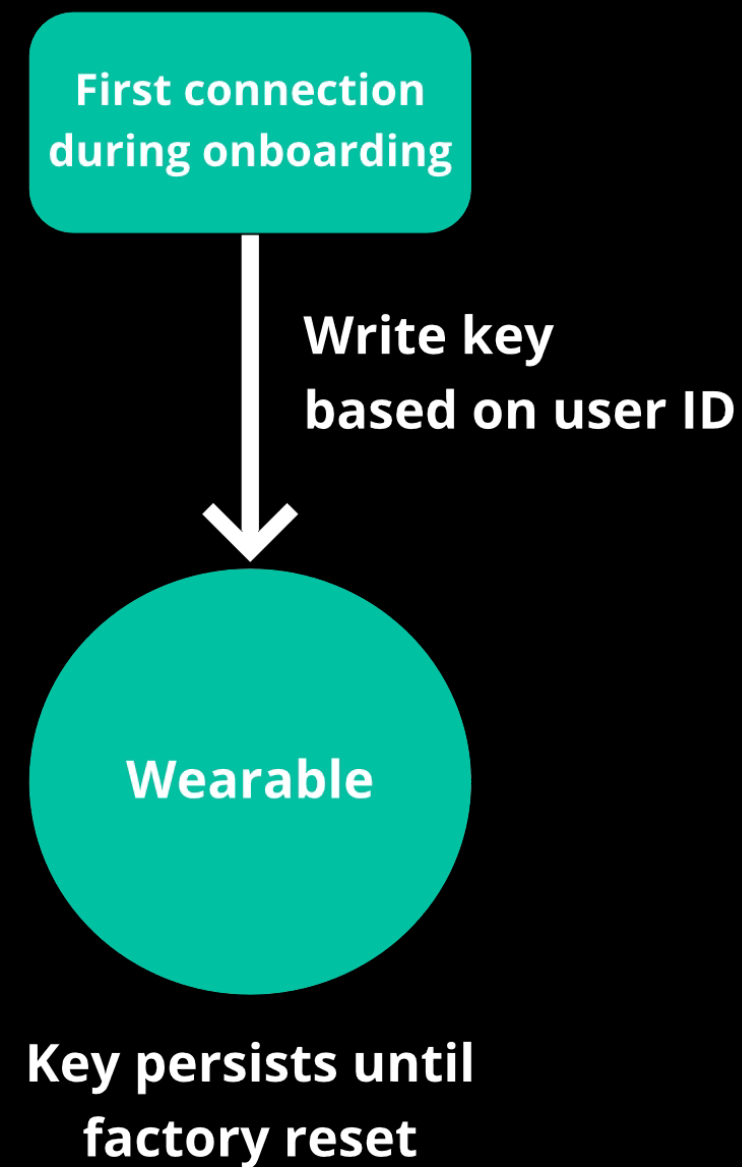| Wearable 1	Wearable 1	Wearable 1

Receives notifications?   ✅   ✅   ✅

Multilink scenario

Multiple peripherals are connected to one central device

Receives notifications?

User ID based authentication

First connection during onboarding → **Write key based on user ID** → Wearable

Key persists until factory reset

Subsequent connection — **Read key and compare** / **Write owner flag** — Wearable

Wearable knows whether it is connected to owner

Wearable — **Connect to service** / **Receive notifications** — ANCS / Android

Pitch

Data minimization for better privacy

- No identifiable user data is stored on the device

- Tuner audio is processed on device

- Decibel meter audio is processed on device

- Settings are persisted on the device for offline use, no connection required

- Phone Notifications are encrypted and only sent if wearable is owned

Pitch

Making music practice addictive

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