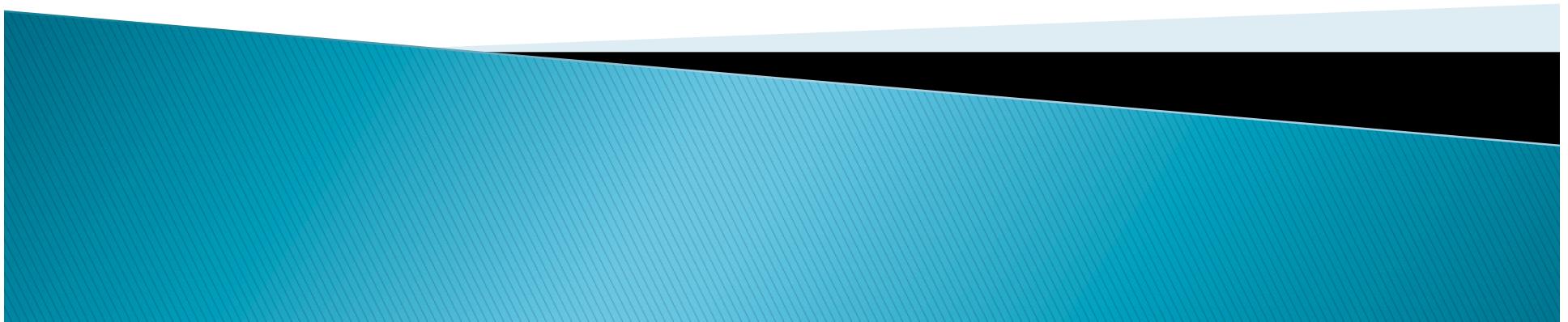
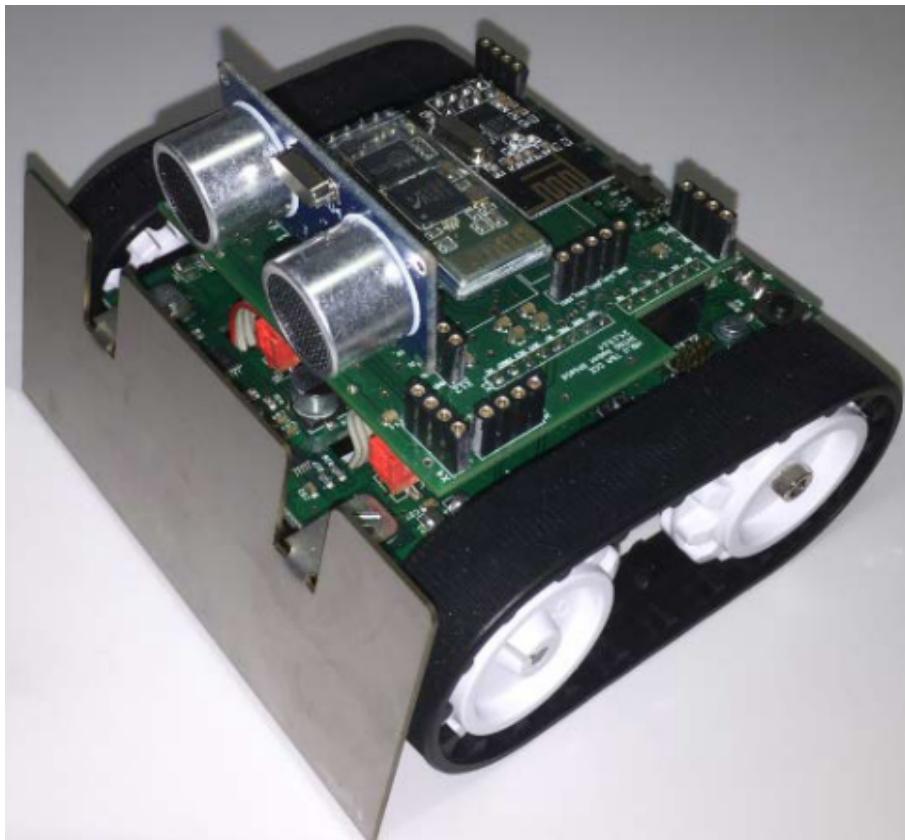


Remote control for SumoBot

MobPro App / D.Schewgler und A.Schmid

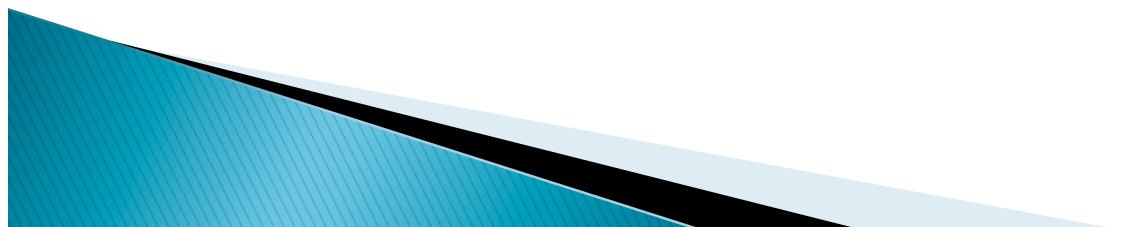


Idee



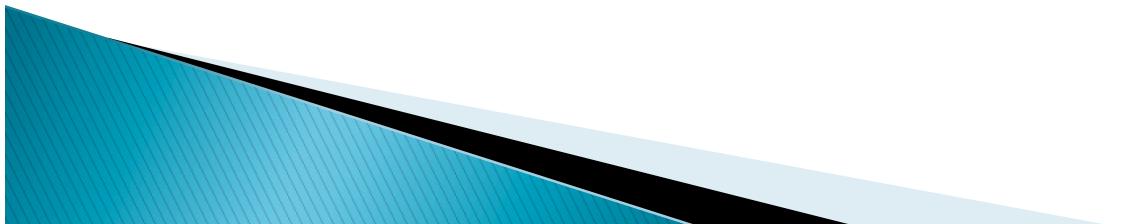
Technische Anforderungen

- ▶ Kommunikation über Bluetooth (1)
 - Bluetooth.java
- ▶ Unterstützung Smartphone & Tablets (2)
- ▶ Verwendung von Nebenläufigkeit (1)
 - ConnectThread
 - ConnectedThread
 - AcceptThread
- ▶ Lokale Persistenz (1)



Zielpublikum

- ▶ INTRO – Modulbesucher (Informatik, Elektrotechnik)
- ▶ Bluetoothmodul HC06 verwenden
- ▶ SumoBot–Entwickler



Schwierigkeiten

- ▶ Fehler durch Bluetooth abfangen
- ▶ Massenspeichermodus (MSC) und nicht Medienübertragungsmodus (MTP)

Xperia has very strange option:

Settings > Xperia > USB Connectivity > USB connection mode
and select **Mass storage mode (MSC)**.

- ▶ Permissions

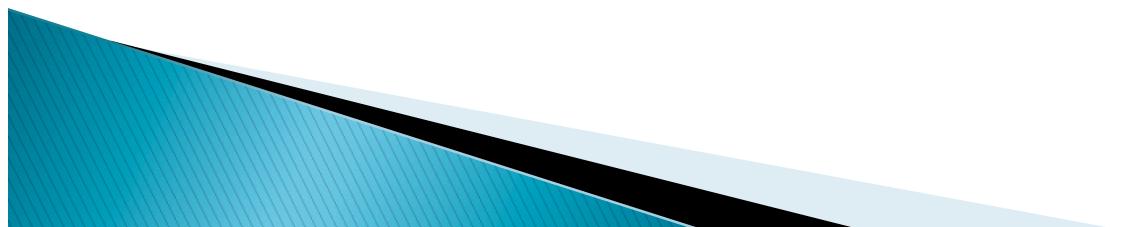
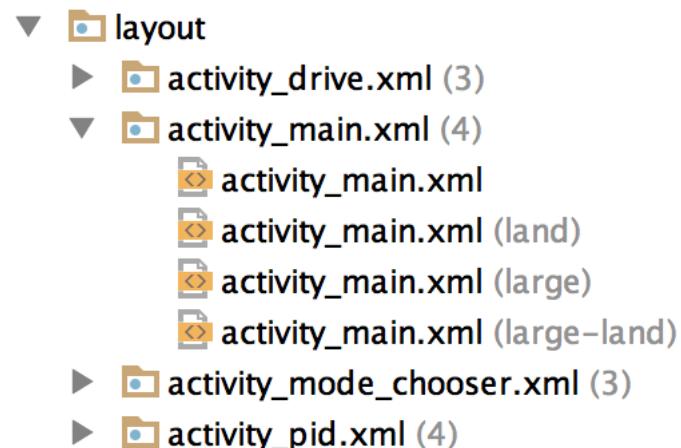
```
<uses-permission android:name="android.permission.BLUETOOTH" />
<uses-permission android:name="android.permission.BLUETOOTH_ADMIN" />
```

- ▶ Verschiedene Hardware

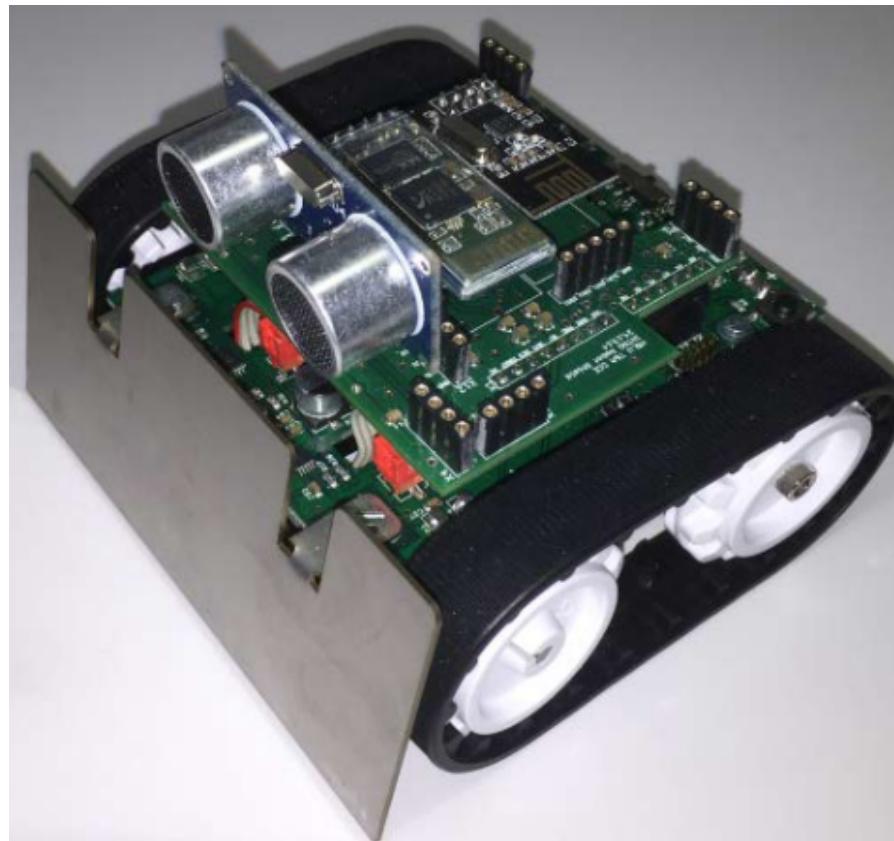
```
String model = Build.MODEL;      //identify target Device
```

Multiple Screens

- ▶ Einzelne Views für verschiedene Bildschirme



Demo



Fragen

