

E1.07 Next Wave Wireless Speakers

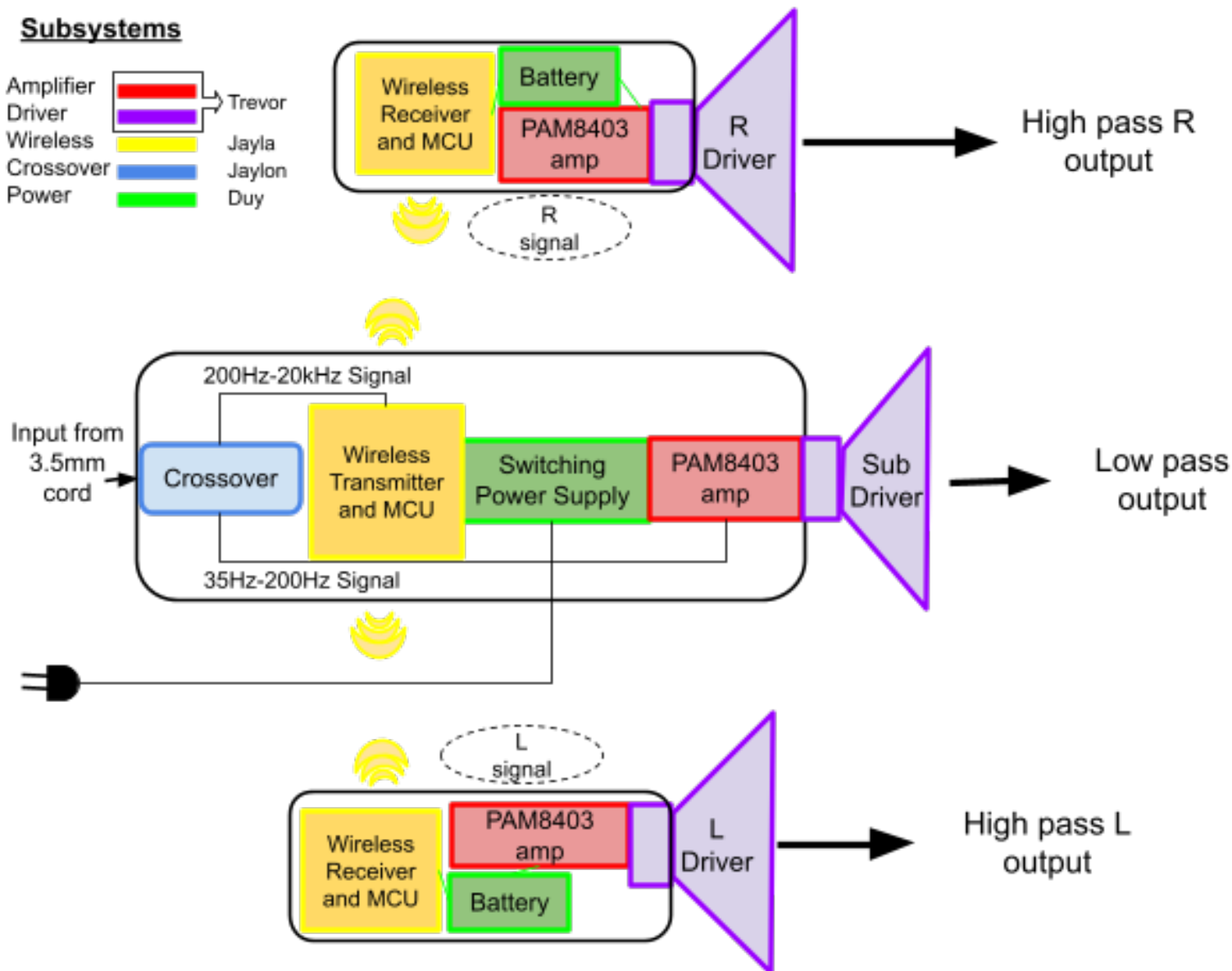


Trevor Senter - Jayla Moon - Duy Nguyen - Jaylon Williams

D2 Plans

Subsystems

- Amplifier Driver █ Trevor
- Wireless █ Jayla
- Crossover █ Jaylon
- Power █ Duy



Testing Subsystems	Starting 9/28
Build Working Model	Starting 10/12
Test Working Model for Requirements	Starting 11/4
Implement Bluetooth input stretch goal	TBD

Feature	Description
Wireless Satellite Speakers	Wireless operation for up to 10 hours of usage. Usable anywhere in a 10'x10' room. Usable while charging.
Crossover at 200Hz	Low frequencies from 35Hz-200Hz sent to subwoofer. Higher frequencies from 200Hz-20kHz sent to left and right speakers.
Integrated amplifiers	Each driver has its own amplifier to accommodate 80dB of output at 1 meter for the system.
3.5mm input	Universal port for connection to phone/PC/MP3 Player headphone jack