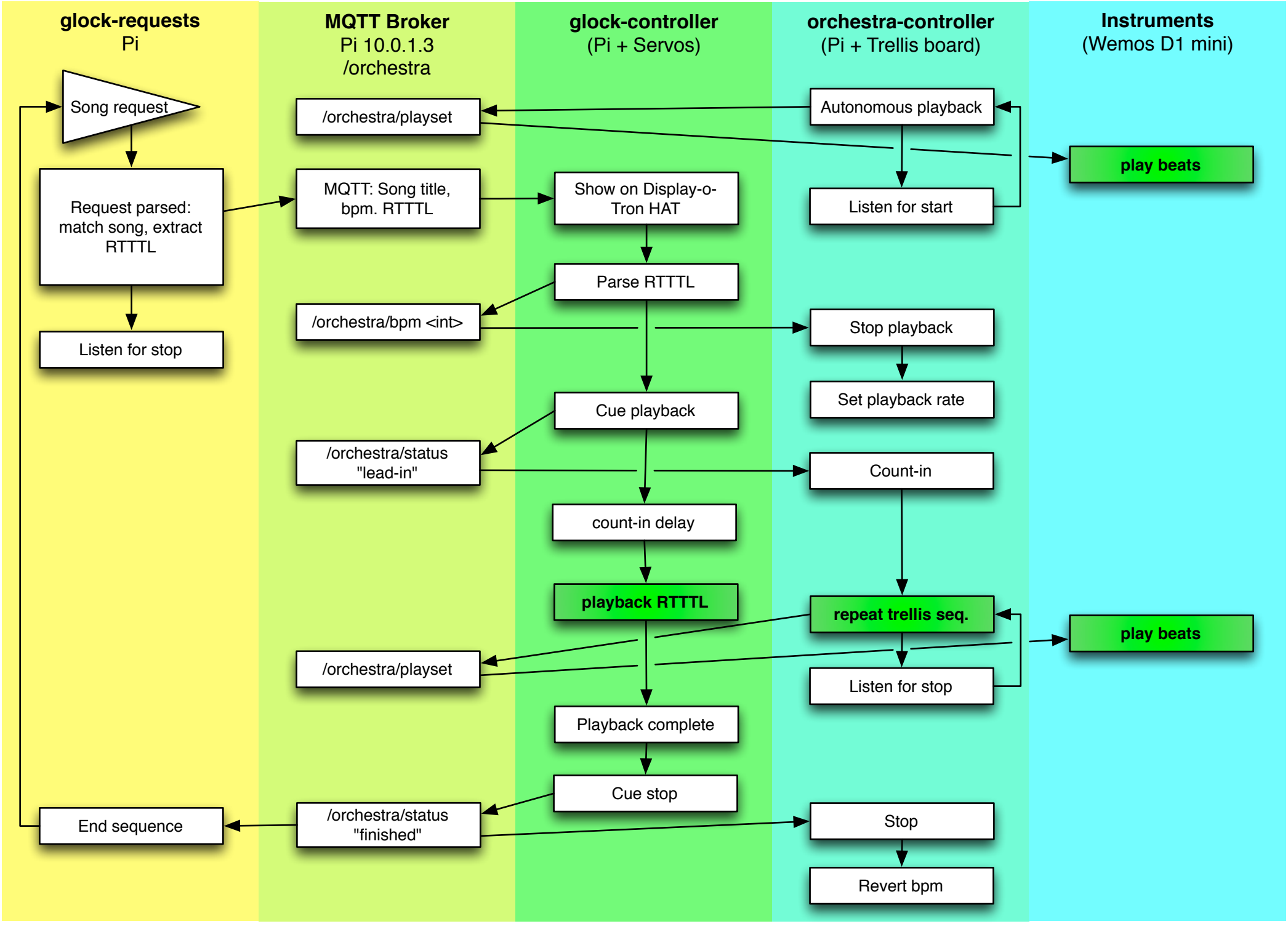
glock-requests
Pi
MQTT Broker
Pi 10.0.1.3
/orchestra
glock-controller
(Pi + Servos)
orchestra-controller
(Pi + Trellis board)
Instruments
(Wemos D1 mini)
Song request
/orchestra/playset
Autonomous playback
play beats
Request parsed: match song, extract RTTTL
MQTT: Song title, bpm. RTTTL
Show on Display-o-Tron HAT
Listen for start
Parse RTTTL
/orchestra/bpm <int>
Stop playback
Listen for stop
Set playback rate
Cue playback
/orchestra/status "lead-in"
Count-in
count-in delay
playback RTTTL
repeat trellis seq.
play beats
/orchestra/playset
Listen for stop
Playback complete
Cue stop
End sequence
/orchestra/status "finished"
Stop
Revert bpm