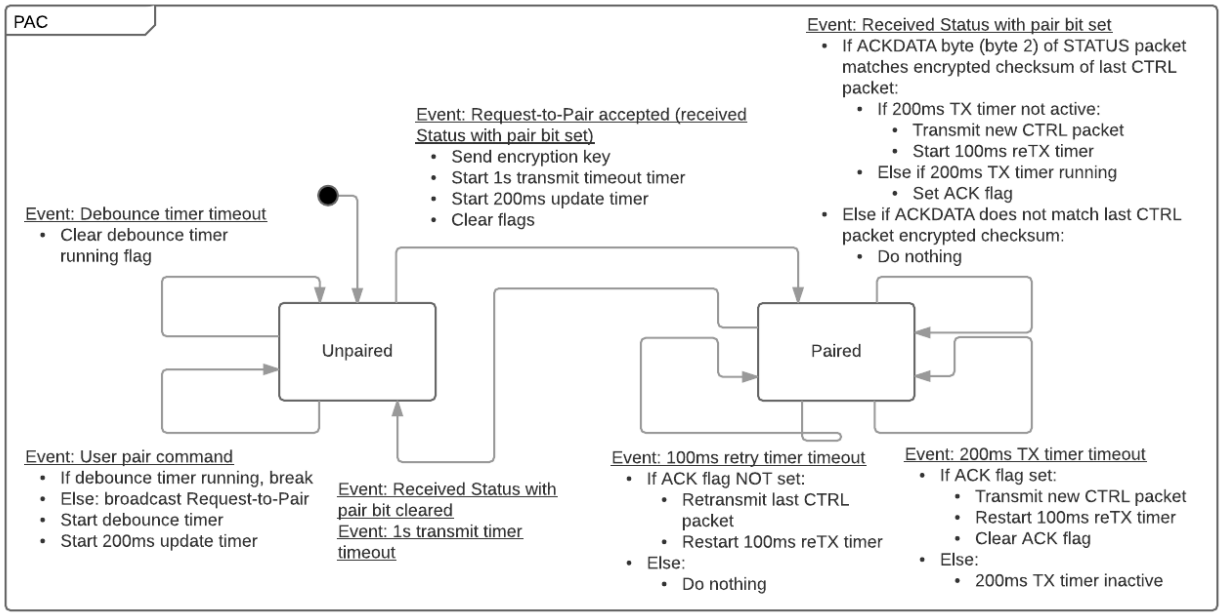
PAC
Event: Received Status with pair bit set
• If ACKDATA byte (byte 2) of STATUS packet matches encrypted checksum of last CTRL packet:
• If 200ms TX timer not active:
• Transmit new CTRL packet
• Start 100ms reTX timer
• Else if 200ms TX timer running
• Set ACK flag
• Else if ACKDATA does not match last CTRL packet encrypted checksum:
• Do nothing
Event: Request-to-Pair accepted (received Status with pair bit set)
• Send encryption key
• Start 1s transmit timeout timer
• Start 200ms update timer
• Clear flags
Event: Debounce timer timeout
• Clear debounce timer running flag
Unpaired
Paired
Event: User pair command
• If debounce timer running, break
• Else: broadcast Request-to-Pair
• Start debounce timer
• Start 200ms update timer
Event: Received Status with pair bit cleared
Event: 1s transmit timer timeout
Event: 100ms retry timer timeout
• If ACK flag NOT set:
• Retransmit last CTRL packet
• Restart 100ms reTX timer
• Else:
• Do nothing
Event: 200ms TX timer timeout
• If ACK flag set:
• Transmit new CTRL packet
• Restart 100ms reTX timer
• Clear ACK flag
• Else:
• 200ms TX timer inactive