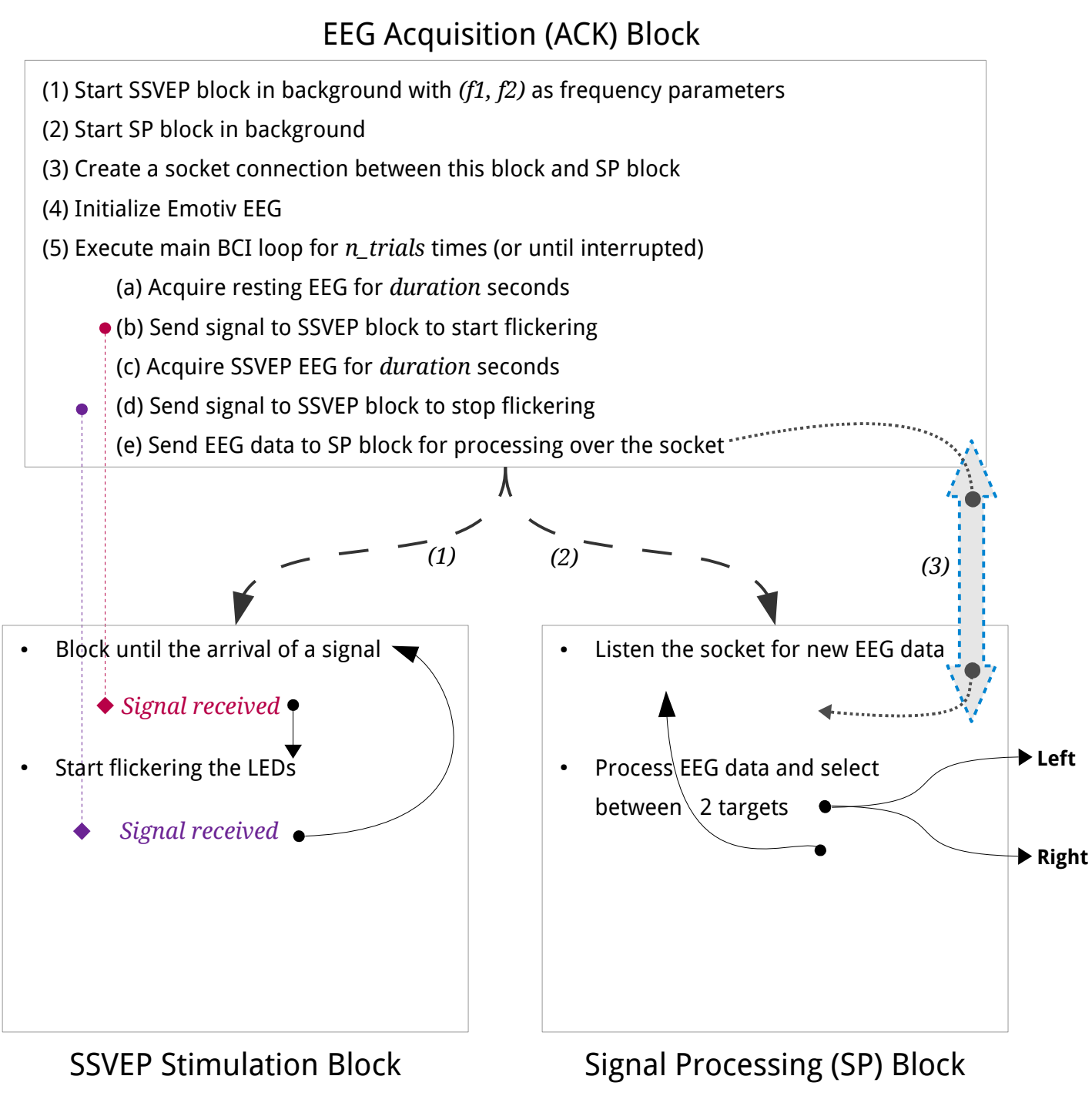
EEG Acquisition (ACK) Block
(1) Start SSVEP block in background with (f1, f2) as frequency parameters
(2) Start SP block in background
(3) Create a socket connection between this block and SP block
(4) Initialize Emotiv EEG
(5) Execute main BCI loop for n_trials times (or until interrupted)
(a) Acquire resting EEG for duration seconds
(b) Send signal to SSVEP block to start flickering
(c) Acquire SSVEP EEG for duration seconds
(d) Send signal to SSVEP block to stop flickering
(e) Send EEG data to SP block for processing over the socket
(1)
(2)
(3)
Block until the arrival of a signal
Signal received
Start flickering the LEDs
Signal received
Listen the socket for new EEG data
Process EEG data and select between 2 targets
Left
Right
SSVEP Stimulation Block
Signal Processing (SP) Block