



Control variables:

Sent
Role sent
Receiver role
Received
Resend
Sent
Confirmation
Wait

Note: Red control signals are send by either shared memory or counterpart

Read Input State: Continuously monitors Media Pipe/Force sensors for participant-initiated communication signals, prioritizing the first signal received.

Role State: Awaits role assignment as either Receiver or Sender, transitioning to Send (as sender) or Read (as receiver) based on the assigned role.

Read State: Waits to receive the sender's message.

Confirm State: Verifies message comprehension. On understanding, shifts to sender role; otherwise, requests message resend and awaits reception.

Send State: Awaits message dispatch from the sender.

Wait Confirmation State: The sender awaits receiver's confirmation on message understanding or need for resend. After sending a message, the sender waits for the receiver's reply. Based on this reply, the sender gives feedback and then becomes the receiver for the next message.