

# Utilizing a Blackout Comms Link



Adding a well-placed Blackout Comms link to your cluster can help in many ways. If you keep a link running in a decent location (say upper-floor window) 24/7, you should see benefits, including **extended range, better location (GPS) awareness, a more effective mesh cache**, as more devices are available for packet caching. **A link does not have to be stationary. It could be in a car or on a drone, for example.**

## Example Link-Assisted Delivery

2. Messages goes to *sender's* in-house Blackout Comms link, which is in an upper-floor window and has better range from there.

1. Guy (in basement) sends message to someone, who is just out of range.



3. Message is delivered from sender's upper-floor link directly to the recipient.



The visual example above shows how a well-placed link will automatically be used to help a message be delivered. Keep in mind, the **link can hold message packets for up to 24 hours**, so the flow you see below does not have to be instant (can be asynchronous).