

## Sending a Message in Airmail via Multiple Nodes

When sending a message in Airmail peer-to-peer you simply put the callsign of the addressee in both the "To:" field and the "Post Via:" field. Then on the next connect with that callsign all is well. A problem occurs when the message needs to be sent through nodes or intermediaries and the problem is that after you make the connection your message doesn't get sent or received.

If you author the message and initiate the connection the "Connect To:" box in the airmail client no longer has the callsign in the "Post Via" field of the message you are sending it has the callsign of the first node you are connecting through via keyboard. The "Post Via" field of the queued message is the field that needs to be fixed for this message to go through. The "Post Via:" field of the queued message needs to be the callsign plus SSID of the first node you connect to.

**A simpler way to think about this is the first callsign+SSID that will go into the "Connect To:" field for your connection has to be the callsign+SSID that is present in the "Post Via:" field of your message. Even if you are going to digi from one node to another first the "Post Via:" field is still going to be the first callsign+SSID in the "Connect To:" field.**

### Examples:

- Message to be sent from KD7CUT to N7MQ direct peer-to-peer.
  - To: N7MQ
  - Post Via: **N7MQ**
  - Connect To: **N7MQ**
- Message to be sent from KD7CUT to N7MQ via a one node digi
  - To: N7MQ
  - Post Via: **N7MQ**
  - Connect To: **N7MQ**, w7zqd-7
- Message to be send from KD7CUT to N7MQ via a one node keyboard hop
  - To: N7MQ
  - Post Via: **w7zqd-7**
  - Connect To: **w7zqd-7**
    - After connection to w7zqd-7 in keyboard mode
      - C n7mq
      - Switch Packet Client to handshake mode

- Message to be sent from KD7CUT to N7MQ via a two node keyboard hop
  - To: N7MQ
  - Post Via: w7zqd-7
  - Connect To: w7zqd-7
    - After connection to w7zqd-7 in keyboard mode
      - C w7sla-1
      - C n7mq
      - Switch Packet Client to handshake mode

One caveat to this technique is that if you post a message in the outbox for N7MQ and post it via w7zqd-7 because you are going to keyboard a path from there the message will be sent to the first airmail station you connect to via w7zqd-7. So if the station is w7eug that you connect to first through w7zqd-7 in keyboard mode the message for N7MQ will be delivered to w7eug.

So this is not a perfect solution but a working solution that is a little more foolproof than using HAM but still open for failure issues like HAM. The station authoring and initiating the connection for this message needs to be aware of how to properly format the "Post Via:" and the "Connect To:" field in the Packet Client. The receiving station will be unaware that this technique was used.