Zebra MC1000 procedure with PSA1UH1E USB host to Ethernet adapter

Use case:
MC1000 requires a wired Ethernet connection while docked into its USB charge cradle.

Technical resolution:
MC1000 cannot operate as a USB host and therefore requires a USB host to USB client adapter to Ethernet adapter.

Preconditions:
1. MC1000 *(Note: Charged is better making it easier to navigate screens by hand rather than in the cradle.)*
2. MC1000 cradle on power
3. PSA1UH1E USB Host to Ethernet adapter on power and connected to local Ethernet.
4. USB cable connected between PSA1UH1E and the MC1000 cradle.
5. *(Note: connect USB and Ethernet cables before applying power to the PSA1UH1E)*

Post-conditions:
1. PSA1UH1E will boot / start.
2. Ethernet connection and speed connection LED's on the PSA1UH1E Ethernet connector will be on indicating that it has a connection to the local router.
3. LED on USB connection side of the adapter will be yellow/amber indicating it is ready for a connection to a client device.

Procedure:
(Note: The MC1000 is difficult and frustrating to navigate by hand. A 'virtual' cursor option is available the MC1000 user interface which may be helpful.)
(Caution: Removal of the battery after this procedure will cause the MC1000 to lose all of its programming and the procedure will need to be followed again.)

1. Notify econnect that it is to establish a TCP/IP connection rather than an ActiveSync connection when the MC1000 is docked. *(Note: ActiveSync is the default connection. This must be changed.)*
   a. Navigate to the Motorola / Zebra preinstalled "econnect" application.
   b. Locate: "Docking tab": Select and check "Use econnect for docking events"
   c. Locate: "When docked section": Select and check "Establish TCP/IP connection" *(Tip: Use the orange A key + 0 to perform this is you are doing this without the virtual cursor.)*
   d. If "Establish TCP/IP connection" was selected correctly the checkbox for using ActiveSync will no longer be checked.
   e. Exit out of econnect
2. Create a Direct – TCP/IP connection to the local Ethernet network
   a. Navigate to Control Panel
   b. Navigate to "Network and dial up connections"
   c. Select "Make a new connection"
   d. In the select a device pull down: Select USB cable.
   e. Tab and select "Direct connection". This results in a dynamic IP address being assigned to the MC1000. If a static IP is required you may navigate deeper into the settings that are available.
   f. Leave "Network and dial up connections" open.
3. Dock the MC1000 and connect
   a. Dock the MC1000 into the cradle
   b. If the new connection you created in the Control Panel is not selected do so now.

Post-condition:

1. The PSA1UH1E USB LED will turn green indicating it is now communication via the cradle to the MC1000.
2. Network and dial up connections will indicate that it is communicating with the host (the PSA1UH1E)
3. Connection icon will appear in the MC1000 notification tray.

Other observations during testing:

Off cradle / On cradle: A proper configuration will allow the MC1000 to reconnect every-time is it placed back in the cradle.

Dead battery: A MC 1000 with a dead battery will reconnect when it is placed in the cradle to charge