

In Wireless Client Mode, FetchExpress connects in to your existing WiFi network and must be configured with WiFi SSID, Encryption mode, and Password to **exactly** match the settings of your WiFi. If there is any mismatch, FetchExpress will not connect. FetchExpress is shipped pre-configured with settings provided when ordered, and should connect to your existing WiFi network automatically. If your WiFi settings have been changed or if some error occurred in the ordering/configuration process then the FetchExpress will be unable to connect to your WiFi network. This procedure describes how to reconfigure Wireless Client Mode settings in FetchExpress.

**SYMPTOM: FetchExpress is configured in Wireless Client Mode: Red status LED remains blinking forever**

This means the FetchExpress cannot connect into your WiFi network to obtain IP address



1. **Check these first**
  - a. Is 2.4 GHz WiFi band available? FetchExpress can only connect into a 2.4GHz WiFi network.
  - b. Is the WiFi using “Captive Portal”? (splash screen or login page)? If so then add FetchExpress to whitelist in the Access Point and/or Router to bypass the captive portal.
  - c. Check that existing WiFi network is operating (connect another device to confirm).
  - d. Check that WiFi signal to FetchExpress is strong enough. Try adjusting FetchExpress antenna position then power cycle. As an experiment try moving FetchExpress closer to Access Point temporarily then power cycle.
2. **To access FetchExpress Doghouse (configuration settings), FetchExpress operating mode must be reset to Access Point (default mode)**
  - a. Power up the FetchExpress and allow it to fully boot (about 35 seconds).
  - b. Press and hold the User Button, as soon as it is pressed all three status LEDs to the right will be turned off.
  - c. Continue pressing the button continuously for 10 seconds.
  - d. At 10 seconds all three status LEDs (to the right) will turn on solid, **as soon as this happens release the button.**
    - i. After button release: Red and green LEDs will turn off, yellow LED will flash indicating reset to Access Point mode in progress
    - ii. FetchExpress will automatically reboot when restore is complete
  - e. About 35 seconds after reboot, the red status LED should stop blinking and green status LED should turn on solid – this indicates access point mode is now active. Connect your device to the AudioFetch Express WiFi SSID.
3. **Access the FetchExpress Doghouse to re-number the boxes for correct channel numbers and re-enter your network information**
  - a. A mobile phone, tablet, or Windows PC may be used to launch the Doghouse (MAC not supported) configuration tool/portal.
  - b. On your device, install the “AudioFetch Doghouse” app from the Google Play Store or Apple App Store. Or if using a PC download the AudioFetch Doghouse App for MS-Windows® from: <http://www.audiofetch.com/doghouse>
  - c. Connect your device to the WiFi network “AudioFetchExpress” (no password required) – this connects you to the FetchExpress (Access Point mode).
  - d. Run the AudioFetch Doghouse App, then tap on the IP address when it is displayed (or click “Connect” button in Windows App).
  - e. A web browser will launch and request username/password, enter these: ADMIN/admin
  - f. First assign the AudioFetch Express box a channel number under “Multi-Box Setup” tab (Box A for Channel 1, B for 2 etc.). Secondly, assign a channel name (1, 2, 3...) under “Channel Settings” tab.
  - g. Navigate to the Network Setup page in the Doghouse, then make these changes:

WiFi Module Information	
Firmware Version	2017-02-10x
WiFi MAC Address	28:A1:EB:FD:05:B4
Ethernet Port MAC Address	28:A1:EB:FD:05:B3
<b>Operating Mode</b>	
What WiFi do users connect to	Existing WiFi
FetchExpress gets Internet from	N/A (operating as bridged client)
<b>Access Point Settings</b>	
SSID (1-32 characters)	Not used for selected Operating Mode
Encryption	AudioFetchExpress
Password (8-63 characters or 64 hex digits)	none
WiFi Channel setting	auto
WiFi Channel currently being used	6
<b>Client Mode Settings</b>	
SSID (must be exact!)	Must match your existing WiFi network exactly
Encryption	Your WiFi SSID
Password	WPA2-PSK
	Your WiFi Password

1. Select “Wireless Client” from the dropdown list
2. Enter your WiFi SSID here – must match your network setting exactly
3. Select from dropdown list to match your network encryption (usually WPA2-PSK)
4. Enter your WiFi password here – must match your network setting exactly

- h. Click the “Save Settings” button at the bottom of the page, then click the “OK” button when the confirmation window pops up. The status LEDs will execute a marching pattern for a while then the FetchExpress will reboot and attempt to connect in to your WiFi using the settings just entered, if successful the red status LED will stop blinking (turn off) and the green status LED will turn on solid.