

Typical sequence of operation for a ductless HVAC system:

1. **System Startup**: When the system is powered on, the indoor unit typically displays a welcome message and current settings.
2. **Mode Selection**: The user selects the desired operating mode (cooling, heating, dehumidification, or fan-only mode) using the remote control or control panel on the indoor unit.
3. **Temperature Setting**: The user sets the desired temperature using the remote control or control panel. The system adjusts the temperature of the conditioned air accordingly.
4. **Fan Speed Selection**: The user selects the desired fan speed (low, medium, or high) using the remote control or control panel. The system adjusts the indoor unit's fan speed accordingly.
5. **Air Distribution**: The indoor unit's louvers may be adjusted manually or automatically to direct the conditioned air where it's needed most in the room.
6. **Compressor Activation**: When the temperature in the room deviates from the setpoint, the system's thermostat activates the compressor in the outdoor unit.
7. **Cooling/Heating Operation**:
 - **Cooling Mode**: In cooling mode, the indoor unit's refrigerant coil extracts heat from the indoor air and transfers it to the outdoor unit, where it is dissipated.
 - **Heating Mode**: In heating mode, the process is reversed: heat is extracted from the outdoor air and transferred indoors to heat the room.
8. **Room Temperature Monitoring**: The system's thermostat continuously monitors the room temperature and adjusts the operation of the indoor and outdoor units to maintain the desired setpoint.
9. **Automatic Shut-off**: When the room reaches the desired temperature, the thermostat signals the system to cycle off. The indoor unit's fan may continue to run for a short period to distribute any remaining conditioned air.
10. **System Standby**: When the system is not actively heating or cooling, it enters a standby mode to conserve energy. The indoor unit's display may dim or turn off, but the system remains ready to respond to changes in temperature or user inputs.
11. **Scheduled Operations (Optional)**: Some ductless mini-split systems may have programmable timers that allow users to schedule operation times in advance, adjusting temperature settings automatically throughout the day.

This **sequence may vary slightly** depending on the specific make and model of the ductless system and any additional features or customization options it may offer. **Always refer to the install/service manual for precise operation details.**