Exprezzoh User's Guide

Contents

Install, set up, and make beverages with the Exprezzoh 9000N

The Exprezzoh 9000N is a powerful household tool because it uses nuclear energy as its power source. Just hook it to a nuclear fusion reactor and you are ready to make great coffee and other beverages.

Chapter **1**

Prepare to install the espresso machine

Software and hardware requirements

You can install the Exprezzoh 9000N only on supported software and hardware.

Software requirements

Your software requirements can vary depending on the accessories that you want to use for the espresso machine.

Table 1: Software requirements

Software	Description
Operating systems	• MacinNosh OS 9 or 10, 32-bit • Pink Lion Linux Home Edition or Super Edition, 32-bit • Windows XPP, 2012, 9, 64-bit
Exprezzoh 9000N software	ConnectoRama software (comes with the ConnectoRama cable)
Surveillance software	• GeigerCountIt 2013 CD-ROM: monitors your home for radioactivity • Optional: Web cam software and video recording software
Beverage software	Optional: Exprezzoh 9000N Beverage List, which provides hundreds of custom beverages that only the Exprezzoh 9000N can make.

Hardware requirements

Ensure that you have the following hardware before you install the espresso machine.

Table 2: Hardware requirements

Hardware	Description
Memory and hard disk space for the personal computer	• 2 GB memory • 4 GHz processor • 800 GB disk space

Hardware	Description
Fusion reactor linkage	ExprezzohPower Station: provides the linkage from external power cables that go to your home from the reactor plant to the Exprezzoh 9000N.
Optional: MP3 players	• PlayIt 3.0 or later • WhalePod 9.1 or later • MP Fun 2013 or later
Cables and connectors	• ConnectoSoft cable: connects your computer to the Exprezzoh 9000N • ConnectoNuk cable: connects the Exprezzoh 9000N to the fusion reactor ExprezzohPower Station in your home. • USB/espresso connector to connect the MP3 player to the espresso machine
Surveillance hardware	• GeigerCountIt 2013 Monitoring Console: monitors your home for radioactivity • Optional: Web cam to watch your pets stare at or play with the swirling water
Power redirection monitors for household appliances	To redirect nuclear fusion power to appliances, you must have the following monitors: • Washer or dryer: EXP9000WD • Television (standard): EXP9000TV • Television (HD): EXP9000HD • Personal computer: EXP9000PC • Microwave oven: EXP9000MW • Conventioal stove or oven: EXP9000OV • Musical instrument amplifier: EXP9000RK • Electrical system for one house: EXP9000EC
Power redirection monitors for one square mile neighborhood	Power coupling and cable: EXP9000NEB
Power redirection monitors for registered government building	Power coupling and cable: EXP9000GOV

Nuclear fusion as a power source for the Exprezzoh 9000N

Nuclear fusion power is the process by which multiple atomic particles join to form a heavier nucleus. You can use this power source to run the Exprezzoh 9000N.

The fusion process creates the release or absorption of energy. Iron and nickel nuclei have the largest binding energies per nucleon of all nuclei and therefore are the most stable. The fusion of two nuclei lighter than iron or nickel generally releases energy while the fusion of nuclei heavier than iron or nickel absorbs energy.

The following illustration shows how energy is released from the nuclear fusion process:
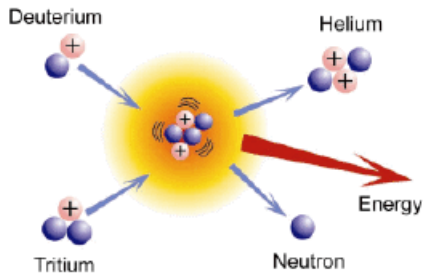
Figure 1: How the nuclear fusion process creates energy

The opposite process is called nuclear fission. However, because the Exprezzoh 9000N requires so much energy, it requires energy created by the nuclear fusion process.

The Exprezzoh 9000N requires a nuclear fusion source of power because of the extra power that the fusion process releases. The Exprezzoh 9000N cannot support less powerful forms of energy such as electricity, nuclear fission, or batteries.

Nuclear fusion is the most powerful form of energy currently known to science.

Gather and mail mandatory permit forms

Before you can connect to a nuclear reactor, you must have several permits from federal, state, and local governments.

To gather and mail the mandatory forms:

1. Print and complete the following forms:

   • NUK1234F to obtain permission from the federal agency to use the reactor
   • NUK4321S to obtain permission from the state agency to use the reactor
   • NUK2244L to obtain permission from the county agency to use the reactor

2. Mail the forms to the address listed on the top of each form.
   You will receive notification of your request in 6 - 24 weeks.

The returned approval letters contain codes that you use to enable the nuclear reactor to connect to your home. You will be prompted to enter these approval codes when you set up the espresso machine for the first time.

Identify a nuclear reactor to connect to

After you obtain the necessary permits to connect to a fusion reactor, you must identify a reactor that is within 100 miles of your home.

To identify a nuclear reactor to connect to:

1. On the returned approval form from the state government agency, view the list of available reactors.

   Tip: Select the reactor that is closest to your home.

2. Record the address, reactor number, and NUK code.
   You will need this information when you connect to the reactor.

Fusion power regulations

You must follow all city, state, and federal government regulations when you connect to a nuclear fusion power source.

The Exprezzoh 9000N requires a nuclear fusion source of power because of the extra power that the fusion process releases. The Exprezzoh 9000N cannot support less powerful forms of energy such as electricity, nuclear fission, or batteries.

You can find the complete set of regulations by checking with your local city or county nuclear regulator agency.

Prepare your home for connecting to a nuclear reactor

Ensure that your family, guests, roommates, and pets in your home are protected before you connect the espresso machine to nuclear power.

You must prepare your home by setting up Geiger counters, radiation containment vessels, and other hardware. To complete the preparation, you must have your home inspected by nuclear facility inspectors.

To prepare your home:

1. Ensure that the GeigerCountIt counters that are provided with the Exprezzoh 9000NExprezzoh 9000N are working properly by turning on each GeigerCountIt counter and running the detector rod over the sample of radiated material.
   Each GeigerCountIt counter should register a reading in the yellow zone. If it does not register in the yellow zone after you pass the detector rod over the material several times, the GeigerCountIt counter is defective.
2. Place a GeigerCountIt counters in each room of the house.
3. Place the nuclear power warning sign on an outside wall or window of your house.

   The sign must be visible to fire, police, and other government agencies.
4. Attach the sticker with the emergency nuclear radiation broadcast number to your phone.
5. Contact the Nuclear Inspection Authority to have your home inspected.

After your home passes inspection, you can install the espresso machine software. For more information, see

Chapter 2

Install the espresso machine

Ensure that you identified a nuclear facility, have the permits to connect to that power source, and prepared your home for nuclear power. For more information, see *Prepare to install the espresso machine* on page 7.

Set up the espresso machine hardware

Before you connect the espresso machine to your computer or to the nuclear reactor, you must connect cables and other accessories.

> ⚠️ **Danger:** The espresso machine hardware must be working properly before you connect it the nuclear power source.

To set up the espresso machine hardware:

1. Remove the espresso machine from the packaging.
2. Attach the steam/water valve, pressure gauges, spouts, and cup tray.
3. Remove the ExprezzohPower Station from the packaging and place it within 3 feet of the espresso machine.
4. Connect the ConnectoSoft cable from the ExprezzohPower Station to the blue inlet on the back of the espresso machine.
5. Connect the ConnectoNuk cable from the ExprezzohPower Station to the red inlet on the back of the espresso machine.
6. After you set up the espresso machine hardware and attach the cables, press the ON/OFF button on the espresso machine to ensure that it is working.

   The espresso machine is installed with a battery so that you can ensure the hardware is correctly set up before you connect to nuclear power.

   If the green ON light is displayed, the espresso machine is working properly. If you see a blinking red light or no light, check the hardware set up.
7. Remove the GeigerCountIt Monitoring Console from the packaging and start it.
   a) Place the Monitoring Console near the computer where you install the espresso machine software so that you can more easily monitor power consumption and possible radiation leaks.
   b) Plug in the Console to any nearby electrical AC outlet and press the ON/OFF button.

      You can later direct power from the nuclear reactor to the Monitoring Console if you do not want to use electricity.
   c) Press the Search for Espresso button so that the Monitoring Console can detect the espresso machine. After a few moments, the Monitoring Console displays the message:`The espresso machine was found.`

The Monitoring Console uses wireless technology to connect to the espresso machine.

If all the hardware is working properly, you can connect the espresso machine to a nuclear power source.

Connect the espresso machine to a nuclear reactor

The Exprezzoh 9000N can run only on nuclear power created by a fusion reactor. Before you can use the espresso machine, you must connect it to a nuclear reactor that is within 100 miles of your home.

• Obtain the required permits from your local nuclear federal agency
• Set up the espresso machine hardware and ensure that it is working properly, including the GeigerCountIt Monitoring Console

To connect the espresso machine to a nuclear reactor:

1. Start the espresso machine by turning the ON/OFF switch to the ON position.
2. Connect the ConnectoNuk cable to the power coupling that was provided by the government agency that processes nuclear power.

   The power coupling is typically stored near the water pipes from the city to your home.

3. On GeigerCountIt Monitoring Console, press the Enable Power button.

   The Power meter gauge will show a steadily increasing surge of power.

4. When the Power meter reads 10 kilowatts, switch the bypass valve to OPEN on the ConnectoNuk cable that runs from the ExprezzohPower Station to the espresso machine.
   The display on the espresso machine shows the following message for one minute: `Nuclear power is available.`

When the espresso machine is properly connected to a nuclear reactor, you can install the software for the espresso machine.

Install the espresso machine software

After you connect the espresso machine to a power source, install the software on your computer so that you can configure roles and schedules, customize beverages, monitor the power system, and manage other activities.
After you connect your espresso machine to the battery, install the espresso machine software so that you can define users, send notifications, automate brewing, and manage other activities.

Ensure that you meet all the software and hardware requirements.

Also, before you connect, gather the following information:

• Your computer name.
• The serial number of the Exprezzoh 9000N. This number is on the back of the machine.
• The license numbers from the three fusion reactor approval forms.
• One name that you want to specify as Honcho role. You can specify other names and roles after the initial setup.

To install the espresso machine software:

1. Turn off your computer and then turn off the espresso machine.
2. Connect the ConnectoRama cable from your computer to the espresso machine.
3. Turn on espresso machine and your computer.

4. Start the installation program by clicking **Start** > **Run**.

5. In the **Open** field, enter `Exprezzoh`.

6. In the **Welcome** window, click **Hook Me Up**.

7. Accept the license agreement.

8. Enter information on the remaining windows and click **OK**.

The espresso machine is now connected to your computer.

After you install the espresso machine software, you must set the time and the date on the espresso machine. For more information, see *Set the date and time* on page 20.

Chapter 3

Monitor the espresso machine system

To monitor power consumption and other parts of the system, such as your pet's water supply and your family's beverage supply, you must first set up the power monitoring system. Then, you can set up beverage monitoring.

Install the monitoring software

You can use the monitoring software with the monitoring hardware to check power consumption, to check supplies for beverages, and to monitor your pet's drinking water.

To install the monitoring software:

1. Insert the Monitoring System CD and start the installation program.

Option	Description
Linux	Run the install command: `install monitor`
Mac	Click **Run** > **Applications** > **Exprezzoh 900N** > **Monitoring**.
Windows	Click **Start** > **Applications** > **Exprezzoh 900N** > **Monitoring**.

2. Enter the model number for your espresso machine.

   The model number is on the back of the machine.

3. Select the items that you want to monitor.

   Monitoring the power system is mandatory.

4. Answer the remaining prompts to install the monitoring software.
5. When the installation is complete, restart your computer.
6. From your computer, start the espresso machine Monitoring Console.

Option	Description
Linux	Run the monitoring command: `exprez monitor`
Mac	Click **Run** > **Applications** > **Exprezzoh 900N** > **Monitoring Console**.
Windows	Click **Start** > **Applications** > **Exprezzoh 900N** > **Monitoring Console**.

You can use the Monitoring Console to check power usage, to refresh your pet's water supply, and to monitor the status of your beverage supplies.

Monitor the power system

By monitoring the power system, you can monitor the power flow from the nuclear reactor to ensure that there are no dangerous power surges or to divert excess power to other systems in your home, neighborhood, or city.

The monitoring software will signal the espresso machine to show a flashing warning light if power levels get too high. You can monitor power levels from the Exprezzoh 9000N Monitoring Console.

You can also set up the monitoring software to send text messages to your phone to notify you when the power reaches specific levels.

To set up the power monitoring system:

1. From the Monitoring Console, click **Monitor** > **Power** > **View**.
2. Select **Warn Me Before It Is Too Late**.
3. To receive text messages when the power reaches specific levels, select **Notify Me**, enter your phone number, and select a power level.
   a) In the **Notifications** window, select a power level.
      You will be sent a text message whenever the power reaches the level that you select.
   b) Click **OK**.
4. To receive email notifications, select **Email Notification** and enter your email address.

Redirect excess power to other systems or users

Even though the espresso machine requires the incredible power generated from nuclear fusion, sometimes all that energy is not needed. You can redirect excess energy to other appliances in your home, your neighbors, or city and county buildings.

Set up appliances, neighborhoods, or government buildings to accept redirected power

You can use excess power from the nuclear reactor to power specific household appliances, to your neighborhood, or to registered government buildings.

For specific part numbers for different monitors, see *Software and hardware requirements* on page 7.

To set up appliances or other areas to receive redirected power:

- To redirect power to appliances, set up monitors to each appliance.
  a) Clamp the monitor around the electrical cable of the appliance nearest to the machine, not near the all electrical outlet.
  b) Turn on the monitor by switching the ON/OFF switch to ON.
     A small green light is displayed on the monitor to indicate that it is functioning properly.
- To redirect power to your neighborhood, set up monitors and cables on the power supply to your home from your city or county.
  a) Attach the power coupling and monitor to the electrical lead to your home.
  b) Turn on the monitor by switching the ON/OFF switch to ON.
     A small green light is displayed on the monitor to indicate that it is functioning properly.
  c) Switch the Neighborhood/Gov switch to Neighborhood.

- To redirect power to a registered government building, set up monitors and cables on the power supply to your home from your city or county.

    a) Attach the power coupling and monitor to the electrical lead to your home.
    b) Turn on the monitor by switching the ON/OFF switch to ON.
       A small green light is displayed on the monitor to indicate that it is functioning properly.
    c) Attach the power
    d) Switch the Neighborhood/Gov switch to Gov.

Use the Monitoring Console to specify where and when you want power redirected.

Redirect power to home appliances

You can use the excess energy from your espresso machine to power appliances such the washer and dryer, guitar amplifiers, and televisions.

You must first attach the monitors to each appliance.

To redirect power to home appliances:

1. From the Monitoring Console, click **Redirect** > **Power** > **Home Appliances**.
2. Select one or more of the appliances to redirect power to.
3. Select **Start Now** or complete the wizard to set up a schedule.
4. Click **Save** to save your selections.

Redirect power to your neighbor's homes

If you have excess energy from your nuclear power source, you can offer that energy to other homes within a one square mile of your home.

You must first attach the monitors to incoming electrical cables from the city or county supplier.

To redirect power to your neighborhood:

1. From the Monitoring Console, click **Redirect** > **Power** > **Neighborhood**.
2. Select **Start Now** or complete the wizard to set up a schedule.
3. Click **Save** to save your selections.

Redirect power to government buildings

You can redirect excess power from your nuclear energy to government buildings. The administrators of those buildings must participate in the Nuclear Energy Sharing program.

You must first attach the monitors to incoming electrical cables from the city or county supplier.

To redirect power to registered government buildings:

1. From the Monitoring Console, click **Redirect** > **Power** > **Government Building**.
2. Select **Start Now** or complete the wizard to set up a schedule.
3. Click **Save** to save your selections.

Monitor and refresh the water supply for your pets

Your pets need water every day and fresh water is the best. You can set up the espresso machine to refresh your pet's drinking water automatically.

Ensure that you connect one or more pet spigots and pet water bowls to the espresso machine.

To refresh your pet's drinking water:

1. On the espresso machine, press the Menu button and then select Pet Water to allow water to flow to the pet bowls.
2. From your computer, start the espresso machine Monitoring Console.
3. From the Monitoring Console, click **Pet Water** > **Refresh**.
4. In the **Pet Water Refresh** window, select **Enable pet water to be refreshed**.
5. If your pet prefers the water to be swirled, select **Enable swirler**.
   Most cats and dogs prefer swirled water.

The pet water will be refreshed when the water gets to a specific level or contains too many impurities.

Monitor the beverage system

You can use the Monitoring Console to notify you when beverage supplies need replacing.

To monitor the beverage system:

1. From the Monitoring Console, click **Monitor** > **Beverages**.
2. Select **Warn Me When Supplies Are Low**.
3. Select the items that you want to be warned about.
   For example, select **Coffee beans**.
4. To receive text messages when you have two servings left, select **Notify Me** and enter your phone number.
5. To receive email notifications, select **Email Notification** and enter your email address.

Chapter 4

Customizing the espresso machine

Set the date and time

After you install the espresso machine software, you must set the date and time.

Ensure that you installed and configured the espresso machine and that it is running. See *Install the espresso machine* on page 11 for more installation information.

To set the date and the time on the espresso machine:

1. Press the Setup button.
   The display panel starts flashing, which means the espresso machine is ready to be configured.
2. Set the date by using the numeric keypad and then press Setup.
   For example, to set the machine to January 31, 2014, enter `01312014`.
3. Set the time by using the numeric keypad.
   a) Enter the time as three or four digits.
      For example, to set the time to 7:15, enter `715`. To set the time to 11:30, enter `1130`.
   b) Toggle to AM or PM by pressing the Setup button.
   c) Press and hold the Setup button until the time stops flashing.
4. Set the time in either standard or international display by using the numeric keypad.
   a) Toggle between standard and international.
   b) Toggle between AM and PM.
   c) Select the time zone when prompted.
   d) Press Setup.
   For example, to set the machine to 9:15pm, enter `915`.

Create schedules

If you want your espresso or other drinks to be brewed or poured at specific times, you can set up schedules.

Ensure that you set the date and time on the espresso machine before you create schedules. For more information, see *Set the date and time* on page 20.

You can set up to six different schedules for each member of the household. For example, if Uncle Bob likes his coffee to be ready at 8am and Mom prefers her latte to be ready at 7am, you can set the Exprezzoh 9000N to brew and pour at those times.

> 💡 **Tip:** You can schedule coffee or tea to be brewed and to pour specified drinks. For example, you can schedule that a 12oz glass of soda is poured every Saturday at 3pm or that your cat's drinking water is refreshed every day at 10am.

To create schedules:

1. Press the Schedule button.
   The panel flashes the number 1 if this is the first time you set up schedules. If you already have schedules, toggle the Schedule button to schedule that you want to view or change.
2. Press the Setup button to set up a schedule.
3. Select the beverage that you want poured at the designated time Click the Down Arrow to go through the list.
4. Select the days that you want the beverage poured.

   You can select All Week, M-F, or Custom. If you select Custom, follow the prompts to select the days of the week.
5. Select the time that you want the beverage poured and enter the time as HHMM.
   For example, if you want the beverage poured at 8am, enter `0800`. Toggle between AM and PM.
6. Press Setup again to exit schedule mode.
7. Press Schedule again to add another schedule pour and follow the previous steps.

Set the date and time

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Ensure that you installed and configured the espresso machine and that it is running. See *Install the espresso machine* on page 11 for more installation information.

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   a) Toggle between standard and international.
   b) Toggle between AM and PM.
   c) Select the time zone when prompted.
   d) Press Setup.
   For example, to set the machine to 9:15pm, enter `915`.

Create roles

You create roles to ensure that only specific persons or pets have access to some or all beverages.

Ensure that you installed and configured the espresso machine and that it is running. See *Install the espresso machine* on page 11 for more installation information.

To create roles:

1. On your computer, open the Exprezzoh 9000N dashboard.

Option	Description
Linux	Run the dashboard command: `exprez dashboard`
Mac	Click **Run** > **Applications** > **Exprezzoh 9000N** > **Dashboard**.
Windows	Click **Start** > **Applications** > **Exprezzoh 9000N** > **Dashboard**.

2. Click the **Roles** tab.

3. Click **Add** and create one of the following roles:

    - Honcho
    - Teen
    - Child
    - No Caffeinator
    - Temporary guest
    - Cat
    - Dog
    - Custom role for a person or custom role for a pet

4. Complete the **Create Roles** wizard and click **OK**.

5. For Linux users, run the role permissions command: `exprez rolePerm go`

    The `exprez` command is case sensitive.

6. For Linux users, change the owner of the `ezprezzoh.properties` file to the user name or user names that have Honcho role.

    ```
    cd /user/Exprezzoh9000/roles
    chown new_ownername ezprezzoh.properties
    chgrp new_groupname ezprezzoh.properties
    ```

    new_ownername

    > The user name of the person in the Honcho role.

    new_groupname

    > The group name of the family or household. If you did not change the default group name, use MyFamily.

7. In the dashboard, click **Refresh** to see the new roles.

The role is added to the list on the **Roles** tab.

Example: Roles for the Carey household

The Carey household has two parents, one live-in grandfather, three kids under the age of 18, two cats, one dog, and one pet rat. Mom and Dad set up the following roles for the family:

Table 3: Carey Family Roles

Family member	Role
Mom	Honcho
Dad	Honcho
Grandpa	Custom role called "Gramps"
Francine: child, 12 years old	Child
Frank: child, 17 years old	Teen
Frieda: child, 8 years old	Child
Malluco: cat	Cat_1
Skeeter: cat	Cat_2
Jeff: dog	Dog_1
Templeton: rat	Custom role called Rat_1

Predefined roles

You can use predefined or customized roles for various household members or even visitors and friends. By defining roles, you can control access to different types of beverages and espresso machine functions.

For example, if you do not want younger members of the family or pets to make strong espresso drinks, you can specify those members as having the No Caffeinator role.

You can also create customized roles if you need to restrict or add access to specific beverages.

The Exprezzoh 9000N includes several predefined roles that you can specify for members of the household.

Table 4: Predefined Roles

Role	Privileges
Honcho	Has all drink privileges and is the only role that can disable the system.
Teen	Has all drink privileges except that this role cannot make mixed alcoholic beverages.
Child	Has access to only juice beverages and cold water.
No Caffeinator	Has access to all drinks except those labeled as caffeinated.
Temporary guest	Has access to all beverage types. This role expires after five days.
Cat	Has access to spigots defined for cats. Only users with the Honcho role can load beverages for the cat spigot.
Dog	Has access to spigots defined for dogs. Only users with the Honcho role can load beverages for the dog spigot.
Custom role for a person	Only users with the Honcho role can define a custom role for a person.
Custom role for a pet	Only users with the Honcho role can define a custom role for a pet.

Error message: EXPR0034E

EXPR0034E: A custom role cannot be granted administrator privileges.
You can resolve error EXPR0034E by specifying the Honcho role for any user who requires administrator privileges.

To set up or change roles, start the Dashboard and click **Roles** > **Configure**.

Accessorize your espresso machine

You can add decorative and functional accessories, such as pet spigots, shelves, and umbrellas, to further enhance your espresso machine.

To accessorize your espresso machine:

- Add shelves to store your coffee, tea, utensils, and other items.
  You can get shelves in wood or stainless steel.
- Add pet spigots.
  Pet spigots are available for a wide variety of domestic and farm animals.
- Add an umbrella.
  Umbrellas are a great way to keep you and your espresso machine safe from the elements when you take the machine outside.
- Attach an MP3 player and speakers.
  Most MP3 players are compatible with Exprezzoh line of espresso machines.

Decorative and functional accessories for the espresso machine

You can purchase additional decorative and functional accessories, such as a shelving, lighting, and utensils, for your espresso machine.

Accessory	Part number
Attachable lighting	EXP9000AL
Large umbrella	EXP9000LU
Set of 4 coffee mugs (8 oz.)	EXP9000CM
Set of 4 espresso cups (4 oz.)	EXP9000EC
Spatula	EXP9000SP
Stainless steel milk foamer cup	EXP9000MF

See your local retailer or online catalog for ordering information for these accessories or pet accessories.

Pet spigots

If your pet needs an espresso drink, water, or other beverage, you can purchase and attach pet spigots to the espresso machine.

Birds

Table 5: Spigot part numbers for small and large birds

Birds	Spigot part number
Small birds, such as finches and swallows	EXP9000SBIR
Medium birds, such as parakeets, mockingbirds, and love birds	EXP9000MBIR
Large birds, such as parrots, cockatoos, and falcons	EXP9000LBIR

Cats and dogs

Table 6: Spigot part numbers for cats and dogs

Cats and dogs	Spigot part number
Cats and small dogs (5-20 lbs)	EXP9000CATS
Medium dogs (20-50 lbs)	EXP9000SDOG
Large dogs (50-80 lbs)	EXP9000LDOG
Very large dogs (80-140 lbs)	EXP9000VDOG

Cattle

Table 7: Spigot part numbers for cattle

Cattle	Spigot part number
Cows	EXP9000COWS
Horses	EXP9000HORS
Pigs	EXP9000PIGS
Sheep	EXP9000SHEE

Rodents

Table 8: Spigot part numbers for rodents

Rodents	Spigot part number
Ferrets and prairie dogs	EXP9000FERR
Small rodents such as rats, hamsters, and gerbils	EXP9000RATS

Chapter 5

Make coffee, tea, soda, and alcoholic beverages

Ensure that you have the ingredients for the beverages that you want. Ingredients for beverage types are sold separately.

Also, ensure that you set up the espresso machine to display the list of beverages other than espresso, coffee, or tea. You must define all other beverage types by using the Dashboard on your computer.

You can create many types of espresso drinks, such as espresso shots, cappuccino, machiato, latte, and mocha. You can also create customized drinks by running commands from your computer and importing those instructions to the espresso machine.

Define custom beverages

If you want the espresso machine to make beverages other than espresso, brewed coffee, or tea, you must create the list of customized beverages from the Dashboard.

Before the espresso machine can dispense a beverage, ensure that you add your chosen ingredients to the designated beverage containers.

To define a beverage:

1. From the Dashboard, click **Define** > **Custom Beverages**.
2. Select a category of beverages from Navigation pane.
   You can select one of the following categories:
   • Alcohol
   • Juice
   • Soda
   • Extremely Weird

   With Extremely Weird, you can create any concoction of liquid that you can think of.

3. From the **Define Me** page, provide a name, the ingredients, and quantities for your beverage.
   For example, if you want to a create gin and tonic drink:

   • Enter a name such as `Gin and tonic`.
   • Enter the ingredients: 1 ounce of gin, 0.25 ounces of lime juice, and 4 ounces of tonic water.

4. Click **Save** after you define the beverage.
5. Repeat these steps for all the custom beverages that you want to create.

6. After you define your beverages, click **Save and Close**.

Make coffee beverages

With the Exprezzoh 9000N, you can make delicious coffee and tea beverages by using the default grind and temperature settings or by customizing the brew to your tastes.

If you use the roles feature, you must first configure roles before you can make beverages.

To make hot espresso or brewed coffee:

1. Place your mug in the dispenser carriage.
2. Press Beverages, then, press Types.
3. Select **Espresso** or **Brewed Coffee**.
4. Select how strong you want the coffee: **Mild**, **Medium**, **Strong**, or **Very Strong**.
5. Add milk, sugar, or other items.
   a) Press Add Other Stuff.
   b) Select the ingredients to add by pressing the Add Me button next to each ingredient.
6. Remove your mug when the "I'm done" light turns green.

> **Caution:** Wait until the coffee is finished pouring before you remove your mug. The water is very hot.

Espresso beverages

Espresso, sometimes called *caffe espresso* or *expresso*, is a concentrated beverage that is made by forcing pressurized water through finely ground coffee.

You can make the following espresso beverages with the Exprezzoh 9000N:

• Straight espresso
• Americano
• Cappuccino
• Espresso con panna
• Latte
• Macchiato
• Mocha

You can vary these drinks by adding flavored syrups or drinking them with ice.

The following graphic shows how espresso beverages are poured from an espresso machine.

Figure 2: Espresso shots

Straight espresso

Straight espresso comes in different quantities based on how much bitter flavor you want. The smaller shot is typically the least bitter.

Ristretto	A 0.75-ounce shot. This shot is the least bitter tasting and is common in Europe.
Single	A 1-ounce shot.
Lungo	A 1.5-ounce shot. This is also called a *long shot*.
Double	A 2-ounce shot.

Americano

Sometimes called the *Long Black*, the Americano, which is 1 - 2 shots of espresso mixed with 6 - 8 ounces of hot water, is a milder coffee drink. Traditionally, Americano drinks were equal parts of coffee and water. However, modern coffee shops typically serve Americano drinks with 2 -3 times more water than coffee.

Cappuccino

The traditional cappuccino is made with 1/3 espresso, 1/3 steamed milk, and 1/3 finely whipped milk foam. However, in the United States, cappuccino drinks are made with much more foam than the drinks served in Europe. You can also top the cappuccino drink with cocoa powder.

Espresso con panna

Con panna means *with cream*. Similar to the macchiato, this beverage is a shot of espresso with a small amount of foamed cream instead of foamed milk on top.

Latte

A latte drink, which is an abbreviation of *caffellatte* or *caffè e latte*, has one shot of espresso mixed with 6 - 8 ounces of steamed milk and topped with milk foam. Larger or stronger latte drinks have 2 or 3 shots of espresso.

Macchiato

This beverage is a shot of espresso with a small amount of foamed milk on top.

Mocha

A mocha is the same as a latte except that you add chocolate syrup.

Make hot tea

You can make tea simply by dispensing hot water from the espresso machine and adding a packaged tea or have the espresso machine steep loose-leaf tea for a specific time.

To make a loose-leaf hot tea beverage:

1. Place your mug in the dispenser carriage.
2. Press Beverages, then, press Types.
3. Select **Steeped Tea**. Then, select how strong you want the tea: **Mild**, **Medium**, **Strong**, or **Very Strong**. The espresso machine automatically presses the tea into a strainer and steeps the tea in hot water. Steeping can take 1 - 5 minutes depending on how strong you want the tea.
4. Add milk, sugar, or other items:
   a) Press Add Other Stuff.
   b) Select the ingredients to add by pressing the Add Me button next to each ingredient.
5. Remove your mug when the "I'm done" light turns green.

> **Caution:** Wait until the water is finished pouring before you remove your mug. The water is very hot.

Make soda and juice beverages

You can dispense sodas or juices from the espresso machine. You can also have the espresso machine make you mixed drinks, such as lemon-lime soda mixed with orange juice.

You must first define custom beverages before you can dispense soda or juice beverages and add the necessary ingredients to the espresso machine.

To make soda or juice:

1. Place your glass in the dispenser carriage.
2. Press Beverages, then, press Types.
3. Select **Soda** or **Juice** and then select an item from the beverage list.
4. Remove your glass when the "I'm done" light turns green.

Make alcoholic beverages

The espresso machine can dispense and mix various alcoholic beverages. You must provide the beverages and for mixed drinks, use the dashboard to devise your own perfect drinks.

You must first define custom beverages before you can dispense alcoholic beverages and add the necessary ingredients to the espresso machine.

Restriction: Only users with the role of Honcho or a customized role for a person with similar privileges can make alcoholic beverages.

To dispense an alcoholic beverage:

1. Place your glass in the dispenser carriage.
2. Press Beverages, then, press Types.
3. Select **Alcoholic Beverage** and then select an item from the beverage list.
4. Remove your glass when the "I'm done" light turns green.

Safety Notices

Be aware of the espresso machine safety notices before making beverages.

Table 9: Safety notice details

Warning	Description
Beverage contents might be hot.	Be careful when handling hot tea and coffee beverages. Hot beverages can cause scalding and minor burns.
Electrical cords can be a hazard.	Electrical cords that are worn or damaged must be replaced without delay. Exposed wires in electrical cords can cause burns and electrical shock.
Avoid radioactive contamination.	Exposure to high levels of radiation can be fatal. Avoid ingesting, inhaling, absorbing, or injecting radioactive material into your body.

Chapter 6

Command reference for the Exprezzoh 9000N

Beverage commands

You can use the following commands to brew coffee, specify brewing schedules, define new drinks, and so on. These commands and values are not case sensitive. Press F1 for any command to see the online help.

Table 10: Beverage commands

Task	Command	Example

Create coffee drinks	`exprez -createEspDrink` *`type`* `-sched y|n` *`schedule_name`*
	
	Enter the type as one of the following espresso or coffee beverages:
	capp
	                Creates a cappuccino beverage.
	drip
	                Creates an 8-ounce drip coffee beverage.
	shot *-1 | -2 | -3*
	                Creates an espresso of 3/4 ounce (-1), 1 ounce (-2), or 2 ounce (-3) beverage.
	lat
	                Creates a latte beverage.
	mac
	                Creates a macchiato beverage.
	moc
	                Creates a mocha beverage.
		This command tells the Exprezzoh 9000N to make a `latte` during the predefined schedule called `Mom`:
		
		`exprez -createEspDrink lat -sched y  Mom`
		
		This command tells the Exprezzoh 9000N to make a mocha but does not associate this drink with a schedule:
		
		`exprez -createEspDrink lat -sched n`
		
		Or:
		
		`exprez -createEspDrink lat`

Create a custom drink	`exprez -createCustDrink` *`type`* `-user` *`user_name`* `-pwd` *`password`*	
Create a schedule	`exprez -createSched` *`my_schedule`* `-startDate` *`mmddyyyy`* `-name` *`user_name`* `-pwd` *`password`* Only those with Honcho role can create or start schedules.	This command starts the schedule called `Mom` on August 3, 2011. This user's user name is `rulerofroost` and the password is `all4me`. `exprez -createSched Mom -startDate 08032011 rulerofroost all4me`
Add a role member	`exprez addMember -name` *`user_name`* `-pwd` *`password`*	This command adds the family cat `Fred` with the role of `pet`:

Task	Command	Example
	`-role role_name` Enter one of the following roles: **Honcho** — Has all privileges. **Teen** — Has same privileges except to make mixed drinks and to disable power sources. **Child** — Has restricted access, for example, to using hot water or mixed drinks. **Pet** — Cannot touch machine at all.	`exprez addMember -name Fred -pwd my1 -role pet`
Add pet monitoring	`exprez -addPetMon monitor_name` Enter any name that you want for this monitor. **Tip:** Use the pet's name for the monitor so that you can watch the fruitiest of your pets. You should already know which one that is.	This command adds a monitor for Fred the cat: `exprez -addPetMon Fred`

Power management commands

You can use commands from the command line or the graphical user interface of the dashboard to manage the power that comes from the nuclear reactor.

Use the following commands to view reports on power consumption, get power alerts, and direct power to other appliances.

To redirect power to household appliances, you must have the appliance name and ID available. The ID is next to the appliance serial number. The Exprezzoh 9000N is preprogrammed to connect to hundreds of commercially available appliances.

Table 11: Power management commands

Task	Command	Example
Get reports at various intervals to view power consumption.	`exprezzoh report powerLevel time` For the time parameter, you can specify to get reports every hour, every 12 hours, every day, every week, or every month: **hour** A report is created every hour. **12 hour** A report is created every 12 hours. **day** A report is created every day. **week**	`exprezzoh report powerLevel 12 hour`

Task	Command	Example
	A report is created every week. **month** A report is created every month.	
Set up alerts for drops in power that go below a specific percentage.	`exprezzoh powerLevel alert percentage` For the *percentage* value, enter a number in increments of 10. For example, enter 10, 20, 50, and so on.	`exprezzoh powerLevel alert 50`
Redirect power to home appliances	`exprezzoh redirectInside appliance` For the *appliance* value, enter the machine name of a specific appliance followed by its specified code.	`exprezzoh redirectInside blender BlendFast 1054`
Redirect power to heat a pool or hot tub	`exprezzoh redirectOutside outdoor_appliance` **pool** Redirects power to an outdoor pool. **hot tub** Redirects power to an outdoor hot tub. **poolHotTub** Redirects power to both a pool and hot tub.	`exprezzoh redirectOutside pool Swimalot 899523`

Example: Sample commands for getting alerts and redirecting power

The following example shows how you can get predefined alerts once per day and redirect power to outdoor pool, the television, the washer and dryer, and a guitar amplifier.

```
exprezzoh report powerLevel day
redirectOutside pool Deep_blue 16889
redirectOutside tv Sonia 0035690
redirectOutside washer MoreKin 3469
redirectOutside dryer MoreKin 2999
redirectInside guitarAmp EarBleederX 86444950
```

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