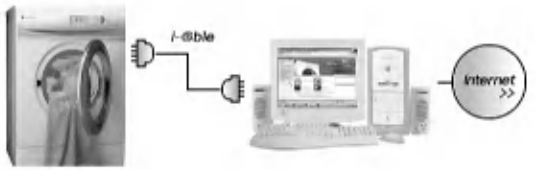
Washing Machine
OWNER'S MANUAL

WD-1410FD / WD-1610FD

Thank you for buying a
LG Fully Automatic Washing machine.
Please read your owner's manual carefully, it provides instructions on safe installation, use and maintenance.
Retain it for future reference.
Record the model and serial numbers of your washing machine.

Internet Connection

- Internet Drum Washer is connected through PC or notebook, and users can obtain a various added functions like Remote Access Connectivity, Monitoring, and Diagnoses, etc.
- Internet Drum Washer can download new Washing Courses from Internet to enhance new improved methods of washing clothes.



Wide LCD

- Its Liquid Crystal Display (LCD) Panel gives you all information with animated pictures in detail to its User-Friendliness.
- It shows various text and graphical expressions.
- It is easy to glance and get detailed explanations about careful points before washing.
- Washer's manual can be downloaded easily by use of a big LCD panel.
- It shows all progress step by step through moving/animated graphical images. This lets you know what's going on in washing machine.



Digital Design

- New Millennium digital washer's Digital Design is so convenient of use, also you have images of the high class.
- Its user-friendliness facilitates with dial-type control button selection and ergonomics design.
- It is totally a digital washer with the highest shine and the best values.





Jumbo drum

LG's jumbo drum can wash about 40% more load than conventional washing machines. A bigger drum improves the wash performance.



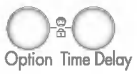
More economical by Intelligent Wash System

Intelligent Wash System detects the amount of load and water temperature, and then determines the optimum water level and washing time to minimize energy and water consumption.



Direct Drive System

The advanced Brushless DC motor rotates the Drum directly without belt and pulley.



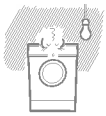
Child-Lock

The Child-Lock system has been used to prevent children from pressing any button to change the program during operation.



Low noise speed control system

By sensing the amount of load and balance, it evenly distributes load to minimize the spinning noise level.



Auto Restart

If the washing machine is turned off by a power failure, it will restart automatically from the position it stopped at adjusting accordingly.

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READ ALL INSTRUCTIONS BEFORE USE

For your safety, the information in this manual must be followed to minimize the risk of fire or explosion, electric shock, or to prevent property damage, personal injury, or loss of life.

IMPORTANT SAFETY INSTRUCTIONS

WARNING : To reduce the risk of fire, electric shock, or injury to persons when using the washer, follow basic precautions, including the following:

- Do not install or store the washer where it will be exposed to the weather.
- Do not tamper with controls.
- Do not repair or replace any part of the washer or attempt any servicing unless specifically recommended in the user-maintenance instructions or published user-repair instructions that you understand and have the skills to carry out.
- Keep the area underneath and around your appliances free of combustible materials such as lint, paper, rags, chemicals, etc.
- Close supervision is necessary if this appliance is used by or near children.
  Do not allow children to play on, with, or inside this or any other appliance.
- Do not leave the washer door open.
  An open door could entice children to hang on the door or crawl inside the washer.
- Never reach into washer while it is moving. Wait until the drum has completely stopped.
- The laundry process can reduce the flame retardant of fabrics.
- Do not wash or dry articles that have been cleaned in, washed in, soaked in, or spotted with combustible or explosive substances (such as wax, oil, paint, gasoline, degreasers, dry-cleaning solvents, kerosene, etc.) which may ignite or explode.
- To avoid such a result, carefully follow the garment manufacturer's wash and care instructions.
- Do not slam the washer door closed or try to force the door open when locked. This could result in damage to the washer.
- To minimize the possibility of electric shock, unplug this appliance from the power supply or disconnect the washer at the household distribution panel by removing the fuse or switching off the circuit breaker before attempting any maintenance or cleaning.
- Never attempt to operate this appliance if it is damaged, malfunctioning, partially disassembled, or has missing or broken parts, including a damaged cord or plug.
- Wipe out water and dirts from PC connection cable terminal and plug it and fix side-screws tightly. Dirts and water can cause connection and communication failure.

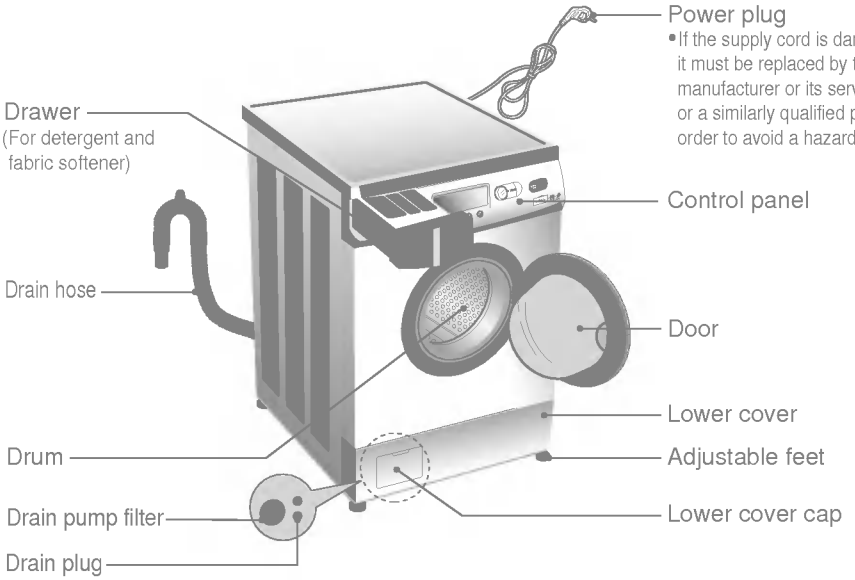
SAVE THESE INSTRUCTIONS

GROUNDING INSTRUCTIONS

This appliance must be grounded. In the event of malfunction or breakdown, grounding will reduce the risk of electric shock by providing a path of least resistance for electric current. This appliance is equipped with a cord having an equipment-grounding conductor and grounding plug. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinance.

- Do not use an adapter or otherwise defeat the grounding plug.
- If you don't have the proper outlet, consult an electrician.

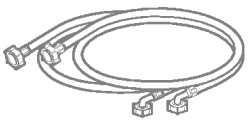
WARNING : Improper connection of the equipment-grounding conductor can result in risk of electric shock. Check with a qualified electrician or serviceman if you are in doubt as to whether the appliance is properly grounded. Do not modify the plug provided with the appliance - if it does not fit the outlet, have a proper outlet installed by a qualified electrician.



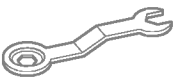
- ■ Name : Front loading washing machine
- ■ Power supply : 240V~, 50Hz
- ■ Size : 600mm(W) ×600mm(D) ×850mm(H)
- ■ Weight : 65kg
- ■ Wash capacity : 7kg
- ■ Max. Watt : 2100W
- ■ Spin speed : No Spin/400/600/800/1000/1200/1400[WD-1410FD]
  No Spin/400/600/800/1000/1200/1400/1600[WD-1610FD]
- ■ Water consumption : 94 ℓ (13.4 ℓ / kg)
- ■ Permissible water pressure : 0.3-10kgf/㎠ (30-1000kPa)
- ■ The external hot water supply 60˚C and must NOT be above 70˚C.
- ■ Permissible cold water temperature : 4-25˚C
- ■ TT : Appliance co.y with the requirement by certification Type Test Mark.
- ■ No further backflow protection required for connection to the water supply.

✳ The appearance and specifications may be varied without notice to raise the units quality.

■ Accessories



Inlet hose(1EA) ✳ Option : Hot/Cold(2EA)



Spanner



PC connect cable(10m)

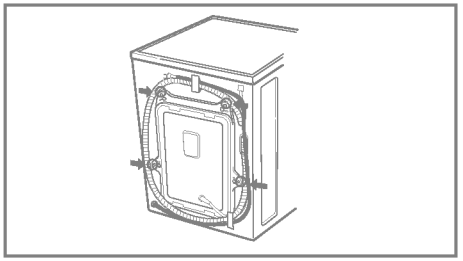
Install or store where it will not be exposed to temperatures below freezing or exposed to the weather.
Properly ground washer to conform with all governing codes and ordinances.
The base opening must not be obstructed by carpeting when the washing machine is installed on a carpeted floor.

In countries where there are areas which may be subject to infestation by cockroaches or other vermin, pay particular attention to keeping the appliance and its surroundings in clean condition at all times.
Any damage which may be cause by cockroaches or other vermin will not be covered by the appliance guarantee.

■ Transit bolts

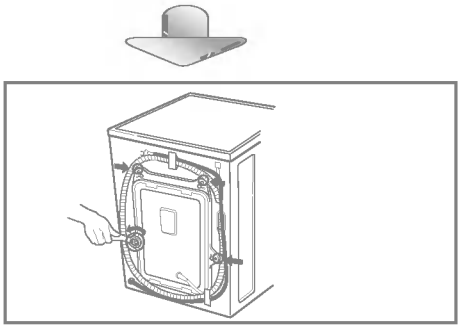
The appliance is fitted with transit bolts to prevent internal damage during transport.

■ Removing transit bolts

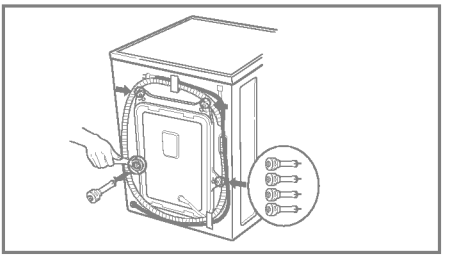


1. To prevent internal damage during transport, the special 4 bolts are locked. Before operating the washer, remove the bolts along with the rubber bungs.

• If they are not removed, it may cause heavy vibration, noise and malfunction.

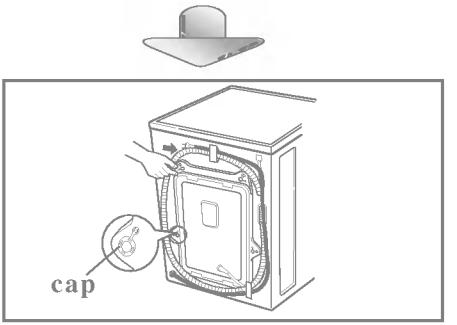


2. Unscrew the 4 bolts with the spanner supplied.



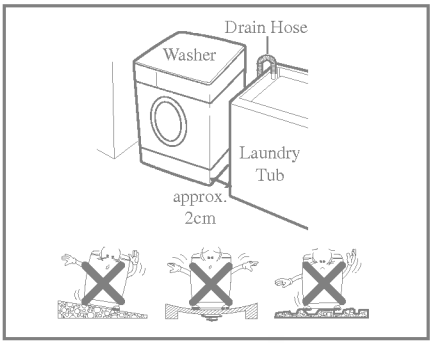
3. Take out the 4 bolts along with the rubber bungs by slightly twisting the bung. Keep the 4 bolts and the spanner for future use.

• Whenever the appliance is transported, the transit bolts must be refitted.



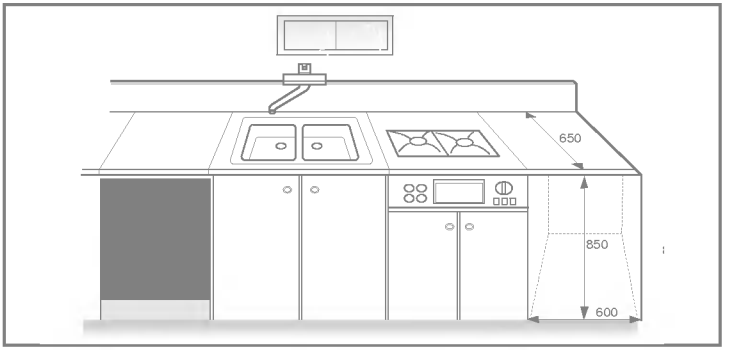
4. Close the holes with the caps supplied.

■ Installation place requirement



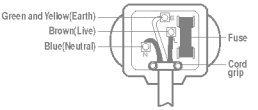
Level floor :
Allowable slope under entire washer is 1˚
Power outlet :
Must be within 1.5 meters of either side of location of washer. Do not overload the outlet with more than one appliance.
Additional Clearance :
For wall, door and floor modeling is required.
(10cm : rear /2cm:right & left side)

Do not place or store laundry products on top of washer at any times.
They can damage the finish or controls.



■ BS Plug Safety Details (For U.K. User)

IMPORTANT
THE WIRES IN THIS MAINS LEAD ARE COLOURS IN ACCORDANCE WITH THE FOLLOWING CODE:
GREEN AND YELLOW: EARTH
BLUE: NEUTRAL
BROWN: LIVE
This appliance must be earthed



As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:
The wire which is coloured Green and Yellow must be connected to the terminal in the plug which is marked with the letter E or by the earth symbol ⏚ or coloured Green or Green and Yellow.
The wire which is coloured Blue must be connected to the terminal which is marked with the letter N or coloured Black.
The wire which is coloured Brown must be connected to the terminal which is marked with the letter L or coloured Red.
If a 13 amp (BS 1363) plug is used, fit a 13 amp BS 1362 fuse.

Installation

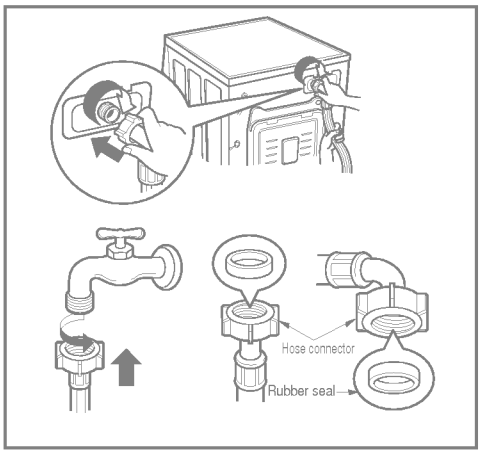
■ Electrical connection

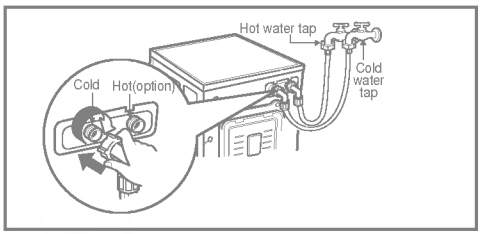
1. Do not use an extension cord or double adapter.
2. If the supply cord is damaged, it must be replaced by the manufacturer or its service agents or similarly qualified person in order to avoid a hazard.
3. Always unplug the machine and turn off the water supply after use.
4. Connect the machine to an earthed socket in accordance with current wiring regulations.
5. The appliance must be positioned so that the plug is easily accessible.

- Repairs to the washing machine must only be carried out qualified personnel. Repairs carried out by inexperienced persons may cause injury or serious malfunctioning. Contact your local service center
- Do not install your washing machine in rooms where temperatures below freezing may occur. Frozen hoses may burst under pressure. The reliability of the electronic control unit may be impaired at temperatures below freezing point.
- If the appliance is delivered in the winter months and temperatures are below freezing : Store the washing machine at room temperature for a few hours before putting it into operation.

■ Washing Machine is to be connected to the water mains using new hose-sets and that old hose-sets should not be used.

■ Connecting water supply hose





▶ *Water supply pressure must be between 30kPa and 1000kPa (0.3~10kgf/cm²)*

▶ *Don't strip or crossthread when connecting Inlet hose to the valve.*

▶ *If the water supply pressure is more than 1000kPa, a decompression device should be installed.*

- Two rubber seals are supplied with the water inlet hoses these are in order to prevent water leaks.
- Check water tightness of washing machine connections by turning the tap completely on.
- Periodically check the condition of the hose and replace the hose if necessary.
- Make sure that there is no kink on the hose and that it is not crushed.

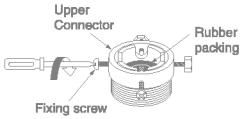
▶ *When your washer has two valves,*

- The Inlet hose which has red connector is for the hot water tap.
- If the washer has two valves, the energy is saved by using hot valve.

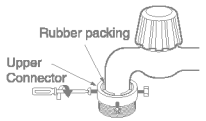
Installation

■ Normal Tap without thread & screw type inlet hose

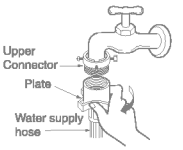
1. Unscrew the fixing screw to attach the tap.



2. Push the connector up till the rubber packing is in tight contact with the tap. Then tighten the 4 screws.

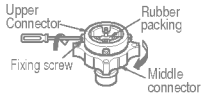


3. Push the water supply hose vertically upwards so that the rubber packing within in the hose can adhere completely to the tap and then tighten it by screwing it to the right.

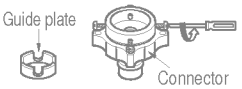


■ Normal Tap without thread & one touch type inlet hose(Single inlet models)

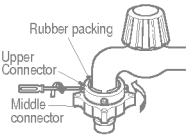
1. Untighten the upper connector screw.



• In case the diameter of the tap is large remove the guide plate.

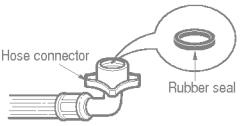


2. Push the upper connector up till the rubber packing is in tight contact with the tap. Then tighten the 4 screws.

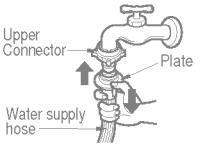


• Turn the middle connector not to have water leaked.

• Make sure that the rubber seal is inside the hose connector.



3. Connect the water supply hose to the middle connector, pushing the plate down.



• To separate the water supply hose from the middle connector shut off the tap. Then pull the inlet hose down, pushing the plate down.



• Your machine comes with only cold water connection.

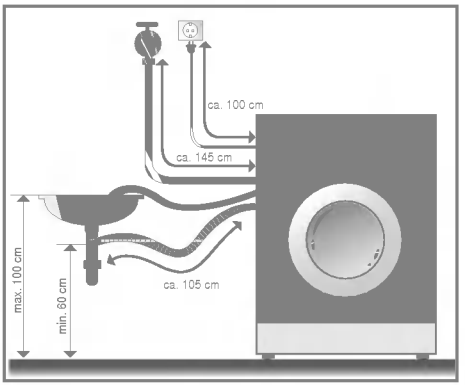
• Make sure that there are no kinks in the hose and that it is not crushed.

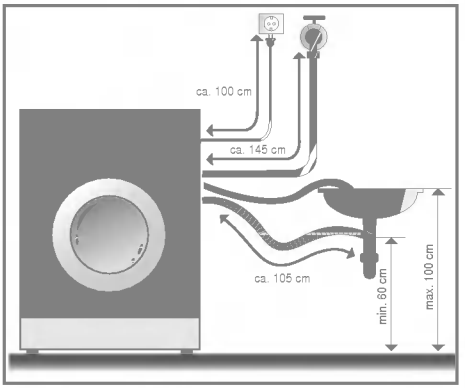
Used the horizontal tap	
Horizontal tap	
Extension tap	
Square tap	

nstallation

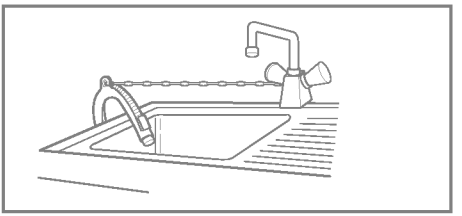
This equipment is not designed for maritime use or for use mobile installations such as caravans, aircraft etc.
Turn off the stopcock if the machine is to be left for any length of time (e.g. holiday), especially if there is no floor drain(gully) in the immediate vicinity.
When disposing of the appliance, cut off the mains cable, and destroy the plug Disable the door lock to prevent young children being trapped inside.
Packaging material (e.g. Films, Styrofoam) can be dangerous for children. There is a risk of suffocation ! Keep all packaging well away from children

■ Installation of drain hose

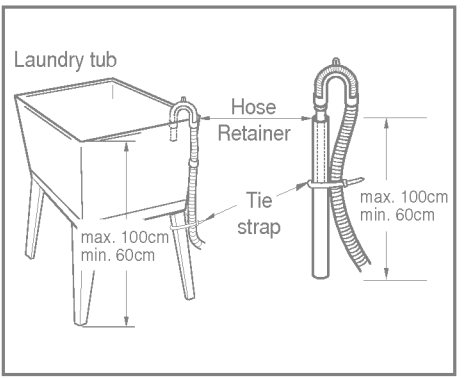




- The drain hose should not be placed higher than 100 cm above the floor.
- Proper securing of the drain hose will protect the floor from damage due to water leakage.
- When the drain hose is too long, do not force back into the washer. This will cause abnormal noise.

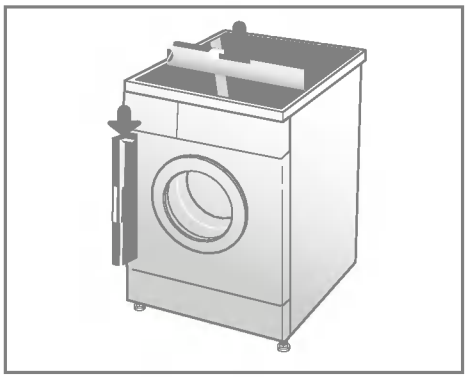


- When installing the drain hose sink, secure it tightly with a string.
- Proper securing of the drain hose will protect the floor from damage due to water leakage.

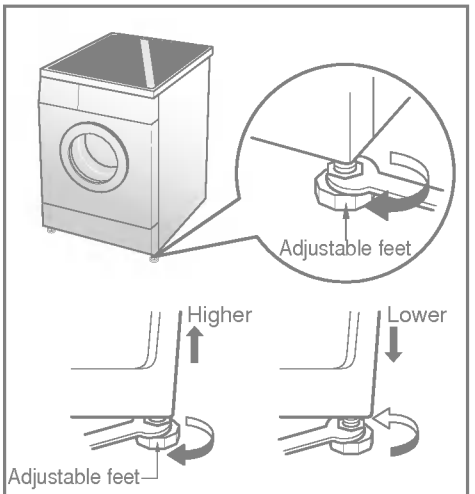


Installation

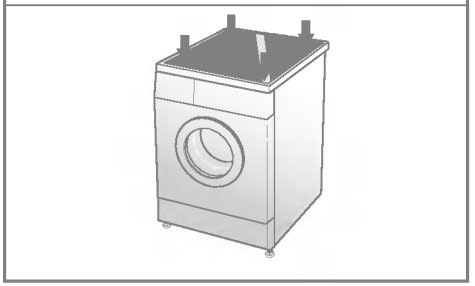
■ Level adjustment



1. Adjusting the washing machine level properly prevents excessive noise and vibration.
   Install the appliance on a solid and level floor surface, preferably in a corner of the room.



2. If the floor is uneven, adjust the adjustable feet as required. (do not insert pieces of wood etc. under the feet)
   Make sure that all four feet are stable and resting on the floor and then check that the appliance is perfectly level.



※ *Diagonal Check*
When pushing down the edges of the washing machine top plate diagonally, the machine should not move up and down at all. (Please, check both of two directions)
If machine rocks when pushing the machine top plate diagonally, adjust the feet again.

are before washing

■ Caring before washing

1. Care Labels

Look for a care label on your clothes. This will tell you about the fabric content of your garment and how it should be washed.

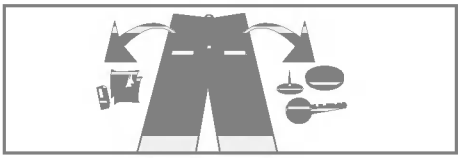
2. Sorting

To get the best results, Sort clothes into loads that can be washed with the same wash cycle. Water temperature and spin speed and different fabrics need to be washed in different ways. Always sort dark colors from pale colors and whites. Wash separately as dye and lint transfer can occur causing discoloration of white etc. If possible, do not wash heavily soiled items with lightly soiled one.

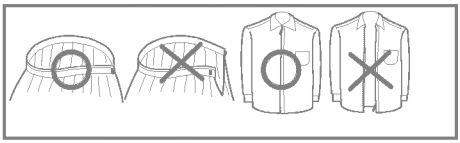
Soil (Heavy, Normal, Light)	Separate clothes according to amount of soil.
Color (White, Lights, Darks)	Separate white fabrics from colored fabrics.
Lint (Lint producers, Collectors)	Wash lint producers and lint collectors separately.

3. Caring before loading

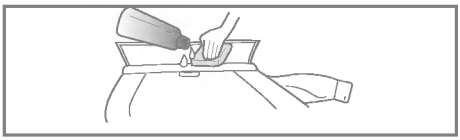
■ **Combine large and small items in a load. Load large items first. Large items should not be more than half the total wash load.**
Do not wash single items. This may cause an out-of-balance load. Add one or two similar items.



• Check all pockets to make sure that they are empty. Items such as nails, hair clip, matches, pens, coins and keys can damage both your washer and your clothes.



• Close zippers, hooks and strings to make sure that these items don't snag on other clothes.

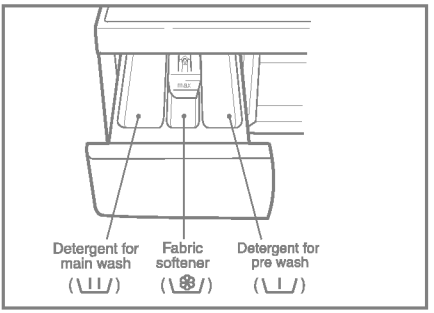


• Pre treat dirt and stains by brushing a little detergent dissolved in water onto stains like collars and cuffs to help shift dirt.

dding detergent

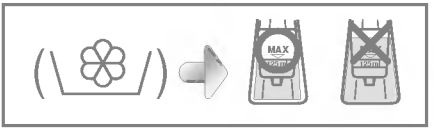
■ Adding detergent and fabric softener

1. The Dispenser Drawer



- Main wash only ∪
- Pre Wash + Main Wash ∪

2. Adding Fabric Softener



- Do not exceed the maximum fill line. Overfilling can cause early dispensing of the fabric softener which could stain clothes.
- Do not leave the fabric softener in the detergent drawer for more than 2 days. (Fabric softener could harden)
- Softener will automatically be added during the last rinse cycle.
- Do not open the drawer when water is supplied.
- Solvents(benzene, etc) are not allowable.

NOTE Do not pour fabric softener directly on the cloths

3. Detergent dosage

- *The detergent should be used according to the instruction of the detergent manufacture.*
- *If too much detergent is used more than the recommended amount, too many suds can occur and this will decrease the washing result or cause heavy load to the motor. (Causing a malfunction)*
- *Use powder detergent only for the front loading washer.*
- Detergent usage may need to be adjusted for water temperature, water hardness, size and soil level of the load. For best results, avoid oversudsing.

✳ Tips

Full load : according to manufacturer's recommendation.
Part load : 3/4 of the normal amount.
Minimum load : 1/2 of full load.

- Detergent is flushed from the dispenser at the beginning of the cycle.

unction

■ **Recommended program according to the laundry type**

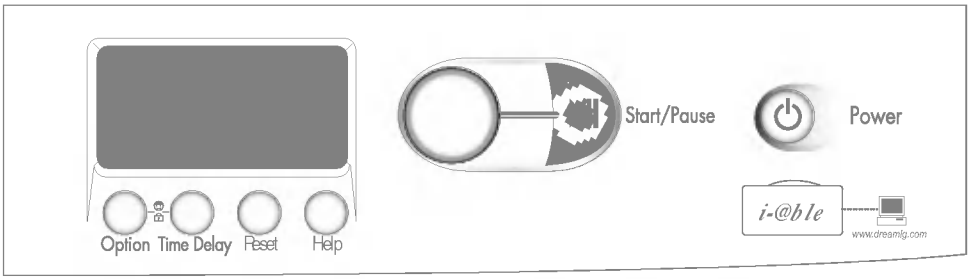
Program	Fabric Type	Proper Temp. (Option)	Washing (Option)	Load	Energy in KWh	Time in Minutes
Whites	First check if laundry is machine washable. (white cotton, linen towels and sheets...)	95˚C (40˚C, 50˚C, 60˚C)	Main+(Pre) +(Soak)	7.0kg	2.9	165
				5.0kg	2.4	165
				2.0kg	1.8	125
Coloureds	Color fast garments (shirts, night dresses, pajamas...)and lightly soiled white cotton (underwear...)	40˚C (Cold, 30˚C, 50˚C, 60˚C)	Main+(Pre) +(Soak)	7.0kg	Refer to the Energy Label	122
				5.0kg		122
				2.0kg		112
Synthetic	Polyamide, Acrylic, Polyester.	40˚C(Cold, 30˚C,50˚C, 60˚C)	Main+(Pre) +(Soak)	3.5kg	0.5	89
				2.0kg	0.4	
Delicate	Delicate laundry easily damaged.(silk, curtains...)	30˚C (Cold, 40˚C)	Main	3.0kg	0.5	64
				1.0kg	0.3	
Wool	Machine washable woolens with pure new wool only.	30˚C (Cold, 40˚C)	Main	2.0kg	0.3	62
				1.0kg	0.2	
Hand Wash	"Hand Wash" marked delicate and wool laundry.	Cold (30˚C,40˚C)	Main	2.0kg	0.03	56
				1.0kg	0.01	
Quick 30	Laundry type is the same in cotton and synthetic.	30˚C (Cold, 40˚C)	Main	5.0kg	0.3	30
				2.0kg	0.2	

✻ Pre Wash : If the laundry is heavily soiled, "Pre Wash" course is recommended. Pre Wash is available in Whites, Coloureds, Synthetic program.

✻ Water Temperature : Select the water temperature to the wash cycles. Always follow garment manufacture's care label or instructions when laundering.

✻ Eco : By selecting Eco function, the water temperature is reduced and washing time is lengthened. So you can economize in your consumption of heating energy.

NB. You can select Eco function when temperature is higher than 60˚C in Whites, Coloureds and Synthetic.



1. Coloureds automatically selected upon power on.

- Press the **Power(⏻)** button to start.
- Press the **Start/Pause(⏯)** button.
- Initial condition
  - *Wash : Main wash*
  - *Rinse : 3 times*
  - *Spin : 1600 rpm (1400 rpm)*
  - *Water temperature : 40˚C*
  - *Program : Coloureds*

2. Manual Selecting

- Press the **Power(⏻)** button to start.
- Select the conditions which you want to use, by rotating and pressing the **Program Dial** button.

For selecting the each conditions, please refer to the page16~page21.

- Press the **Start/Pause(⏯)** button.

3. Beep on/off

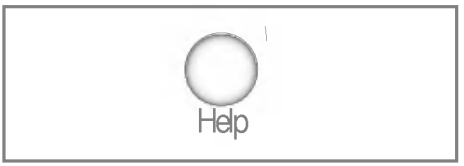
- The beep on/off function can be set by pressing and holding the **Option** and **Help** button simultaneously more 5 seconds.
- The beep on/off function can be set at any time and it is automatically canceled when power failure occur.
  Also the beep on/off function works when power is off.

4. Auto half load.

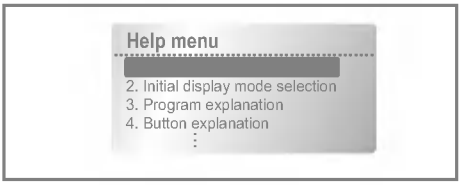
- Auto half load saves you time and money when washing smaller loads. The washing machine is fitted with a self adjusting water level system.
- This system enables the machine to use the amount of water needed to wash and rinse the laundry in relation to the particular load.

5. Language Selection

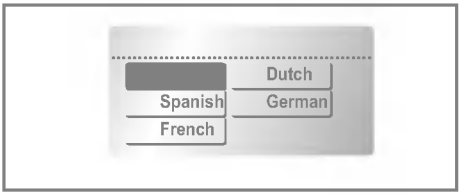
1. Press the **Help** button.



2. Rotate the Program dial and select "1(Language Selection)" option.



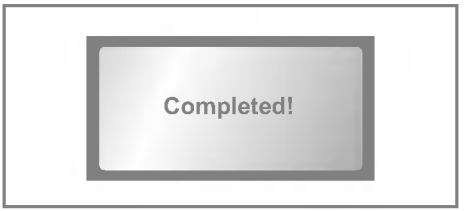
3. Rotate the Program dial select desire language, and press the Program dial.

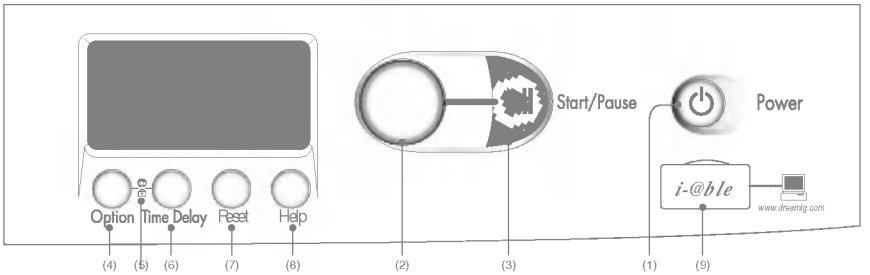


4. When the nguage is selected, the "Saving a set-up data" is displayed.



5. When the language selection completed, "Completed" is display on the Multi display.





(1) Button : Power
(2) Dial : Programme
(3) Button : Start/Pause
(4) Button : Option
(5) Child lock
(6) Button : Time Delay
(7) Button : Reset
(8) Button : Help
(9) Cover : Protection(Communication Port)



1. Power

- Press the **Power(⏻)** button to turn power on and off.
- To cancel the **Time Delay** function, the **Power(⏻)** button should be pressed.

2. Initial Program

- When the **Power(⏻)** button is pressed, the washer is ready for ***Coloureds*** program. And the other initial conditions as follows.
- So, if you want to advance into the washing cycle without changing the program, just press **Start/Pause(⏯)** button and then the washer will proceed.

Initial program

- ***[WD-1610FD]***
  -Coloureds Program / Main wash / Normal Rinse / 1600 rpm / 40˚C
- ***[WD-1410FD]***
  -Coloureds Program / Main Wash / Normal Rinse / 1400 rpm / 40˚C

1. Program Selection

- When **Start/Pause(⏯)** button is pressed, the ***Coloureds*** program is automatically selected.
- How to select program and course(option)
  1. Press the **Power(⏻)** button.
  2. Rotate the **Program Dial** button and select desired program.(Whites, Coloureds...)
  3. Press the **Program Dial** button.
  4. Rotate the **Program Dial** button and Select desired course. (Wash, Rinse, Spin, Temp...)
  5. Press the **Program Dial** button and select desired course option.
  6. Press the **Program Dial** button.
  7. Press the **Start/Pause(⏯)** button

- By rotating the **Program Dial** button, the program is selected in order of "Coloureds ∪ Synthetic ∪ Delicate ∪ Wool ∪ Hand Wash ∪ Quick 30 ∪ Rinse+Spin ∪ Spin only∪ Drain only ∪ Whites".

Regarding to the laundry type for each program Please refer to the page14.

2. Program

- Whites	*- Quick 30*	*- Jeans*
- Coloureds	*- Rinse+Spin*	*(Download 2)*
- Synthetic	*- Spin only*	*- White Shirt*
- Delicate	*- Drain only*	*(Download 3)*
- Wool	*- Infant Clothes*	
- Hand Wash	*(Download 1)*	

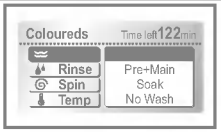


1. Start

- This **Start/Pause(⏯)** button is used to start wash cycle or pause the wash cycle.

2. Pause

- If temporary stop of wash cycle is needed, press **Start/Pause(⏯)** button.
- When in pause, the power is turned off automatically after 4 minutes.
- **NB.** The door will not open before 1 to 2 minutes when pause is selected, or at the end of the wash cycle.



- By rotating and Pressing the **Program Dial** button, the wash type can be selected.

- Main Wash *- Soak*
- Pre Wash + Main Wash *- No Wash*

1. Main Wash

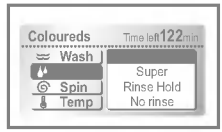
- *Main Wash* course is available for lightly or normally soiled laundry.

2. Pre Wash + Main Wash

- If the laundry is heavily soiled, *"Pre Wash + Main Wash"* course is effective.
- *Pre Wash* is available in *Whites, Coloureds* and *Synthetic* program.

3. Soak

- Operations about 60 minutes, before *"Main Wash"* course.
- *"Main Wash"* course is followed by *"Soak Wash"* course without drain.
- *"Soak Wash"* is available in *Whites, Coloureds* and *Synthetic* program.



- By rotating and pressing the **Program Dial** button, the rinse type can be selected.

- Normal *- Rinse Hold*
- Super *- No rinse*

1. Normal

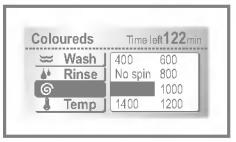
- *Whites / Coloureds / Synthetic performs 3 Rinses*
- *Wool / Hand Wash /Delicate / Quick 30 performs 2 Rinses*

2. Super

- Normal + 1 more rinse time.
- Use the *Super rinse* when additional rinsing is desired to remove excess dirt and detergent soiled loads.

3. Rinse Hold

- Is selected by rotating and pressing the **Program Dial** button repeatedly this function leaves clothes in the washer; suspended in the water after a rinse without entering into spin.
- To proceed through to a drain or spin, press the **Start/Pause(⏯)** button.
- If you want to drain only, select *"No spin"* of the spin course.



WD-1610FD

• By rotating and pressing the **Program Dial** button, the spin speed can be selected.

[WD-1410FD]
- *No spin*
- *400*
- *600*
- *800*
- *1000*
- *1200*
- *1400*

[WD-1610FD]
- *No spin*
- *400*
- *600*
- *800*
- *1000*
- *1200*
- *1400*
- *1600*

1. Spin selection

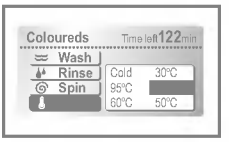
• Spin speed is available according to the program as follows.

- Whites / Coloureds
[WD-1610FD]
1600U No SpinU 400U 600U 800U 1000U 1200U 1400
[WD-1410FD]
1400U No SpinU 400U 600U 800U 1000U 1200U 1400

- Synthetic / Wool
1000U No SpinU 400U 600U 800

- Delicate / Hand Wash
800U No SpinU 400 U 600

- Quick 30
[WD-1610FD]
400U 600U 800U 1000U 1200U 1400U 1600U No Spin
[WD-1410FD]
400U 600U 800U 1000U 1200U 1400U No Spin



• By rotating and pressing the **Program Dial** button, the water temperature can be selected.

- Cold / 30°C / 40°C / 50°C / 60°C / 95°C

1. Water Temperature

• Water temperature can be selected as below according to the program.

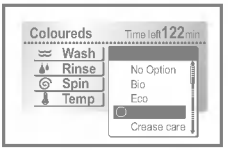
- Whites
95°C U 40°C U 50°C U 60°C

- Coloureds & Synthetic
40°C U 50°C U 60°C U Cold U 30°C

- Wool & Delicate & Quick 30
30°C U 40°C U Cold

- Hand Wash
Cold U 30°C U 40°C

For the more detailed information, please refer to the page14.



• If you use to select option function (*Bio/Eco/Time Save/Crease care*), you can washing more effectively.

• By pressing the **Option** button, only one option function may be selected.

1.Press the **Power**(⏻) button.
2.Select the desired Program.
3.Press the **Option** button.
4.Select the desired function and press the **Start/Pause**(▶Ⅱ) button.

1. Bio (Ⓑ)

• If you want to eliminate protein stains(milk, blood, chocolate...), you may select *Bio* function by rotating and pressing the **Program Dial** button.

NB. You can select Bio function when temperature is higher than 60°C in *Whites, Coloureds and Synthetic.*

2. Eco (ⓔ)

• By selecting *Eco* function, the water temperature is reduced and washing time is lengthened. So you can economize in your consumption of energy.

NB. You can select *Eco* function when temperature is higher than 60°C in *Whites, Coloureds and Synthetic.*

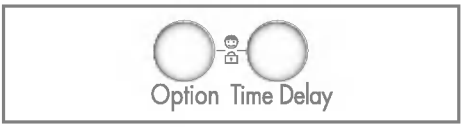
3. Time Save (Ⓣ)

• This option can be used to reduce the time of a wash program.

• This function is not available with *Quick 30* program.

4. Crease care (Ⓒ)

• If you want to prevent crease, select this function with spin.



If you choose to lock the buttons on the control assembly to prevent tampering, this function may be selected.

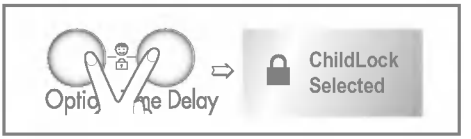
1. Child lock

• Child lock can be set by pressing and holding the **Option** and **Time Delay** button simultaneously.



• *When child lock is set, all buttons are inoperable.*

• To deactivate *Child lock* system, press and hold the **Option** and **Time Delay** button simultaneously again.

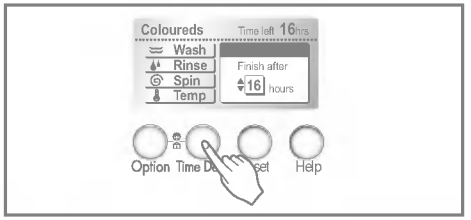


• To change to the desired program, whilst in child lock mode.

1. Press and hold both **Option** and **Time Delay** button together once again.
2. Press the **Start/Pause(▶Ⅱ)** button.
3. Select the desired program and press the **Start/Pause(▶Ⅱ)** button again.



• The *Child lock* can be set at any time and it is automatically canceled when operational errors occur. Also *Child lock* works when power is off.



1. Time Delay

Preparing washing before starting "Time Delay."

- Turn on the water tap.
- Load laundry and close the door.
- Place the detergent and fabric softener in the drawer.

• How to set **"Time Delay"**

1. Press **Power(⏻)** button.
2. Rotate the **Program Dial** button to select the program or course (option) you require.
3. Press the **Time Delay** button.
4. Press the **Time Delay** button or rotate the **Program Dial** button to set the desired time.
5. Press the **Start/Pause(⏯)** button. (":" blinks.)

• If **Time Delay** button is pressed, "3:00" is displayed. The maximum delayed time is 24:00 hours and the minimum time is 3:00 hours.

• Each pressing of the **Time Delay** button advances time on delay by one hour.

• To cancel the time delay, press the **Power(⏻) or Reset** button.

• Time delay is 'expected time' from the present to the completion of washing cycle or selected process (Wash, Rinse, Spin).

• *According to the condition of water supply and temperature, the delayed time and the actual washing time may vary.*

1. Washer process display

• Displayed washer process with words and animations.

• Each course, word background gets darker and current process animation gets lighter.

• When touching the button, screen gets lighter and darker in about 3 minutes.

2. Special function display

• When Child lock is selected, the "🔒" is displayed.

• When time delay is selected, it shows the remaining times to finish the selected program.

3. Self diagnose display

• If the washer encounters a fault during operation, the associated fault will be displayed.

"IE" : Water inlet trouble
"OE" : Drainage trouble
"UE" : Unbalanced load
"dE" : Door is not closed
"tE" : Water temperature trouble
"FE" : Problem of overfilling water
"PE" : Water pressure sencing error
"CE" : Over load in motor
"LE" : Over load in motor

If these error letters are displayed, please refer to the troubleshooting page50 and follow the guide.

4. Completion of washing

• When washing cycle is completed, "word (Finished) and animation" is displayed on the "*Multi display*".



5. Time left

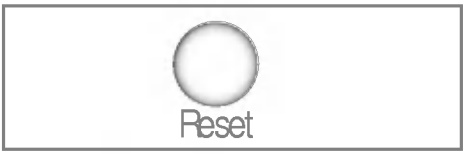
• During washing cycle, the remaining washing time is displayed.

• Default time of each program.

- Whites : around 2 hours and 45 minutes
- Coloureds : around 2 hours and 2minutes
- Synthetic : around 1 hours and 29 minutes
- Wool : around 1 hour and 2 minutes
- Hand Wash : around 56 minutes
- Delicate : around 1 hour and 4 minutes
- Quick 30 : around 30 minutes

• The washing time may vary by the amount of laundry, water pressure, water temperature and other washing conditions.

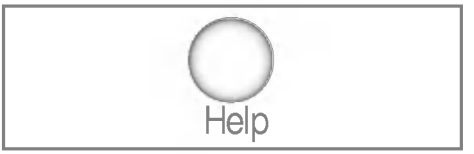
• If an unbalanced load is detected or if the suds removing program operates, the wash time may be extended. (Max. increasing time is 45minutes.)



• During Pause status, use this button to cancel what you selected such as wash, rinse and spin etc.

• When a user presses the **Reset** button, main screen will come back.

• Use this button also to go back to main screen after using Help function.



• The Help function offers a variety of detailed information including the Program explanation, Button explanation, Washing tips, Trouble shooting guide(before you call), view last message.

• This section of the user guide will demonstrate how to easily navigate to the main areas of the topics. From there, you will easily be able to narrow your search for finding laundry information.

Communication port and Protection Cover

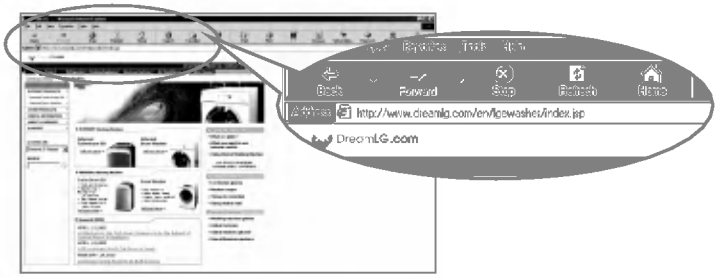


• Use this to download various animations and washing program from the Internet with washer connected to computer.

• Open Cover and connect cable to washer(communication) port and PC port.

Homepage Connection

1. Power on the computer.
2. Open Internet explorer.
3. Type homepage URL. (http://www.dreamlg.com/en/lgewasher/index.jsp)
4. Press enter.



Ln-gate?

■ Introducing Ln-gate Program

- Ln-gate is a program developed only for Internet home appliance products such as a Internet washer.
- Using Ln-gate software, you can use the Internet washer as a Internetable pc at anytime and anywhere.
- Using Ln-gate software, you can download the latest animations & washer programs and upgrade your washer with new technology.

■ Minimum requirements to use Ln-gate

- Operating system : MS-Windows 95.
- Hardware : Pentium PC (133Mhz, 32MB RAM)
- You have to first install superspeed network system in your house.

■ Installation and use

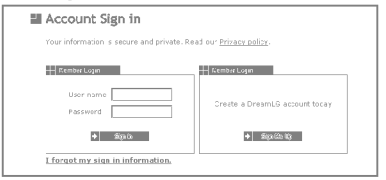
- Read Ln-gate program installation guide and follow the instructions.
- After installation, you can use Internet-guided service with Ln-gate program.

▲ CAUTION
- While connecting PC connection cable, fix side-screws tightly to assemble.
- If PC connection cable is short, buy the same cable at service center and connect them.

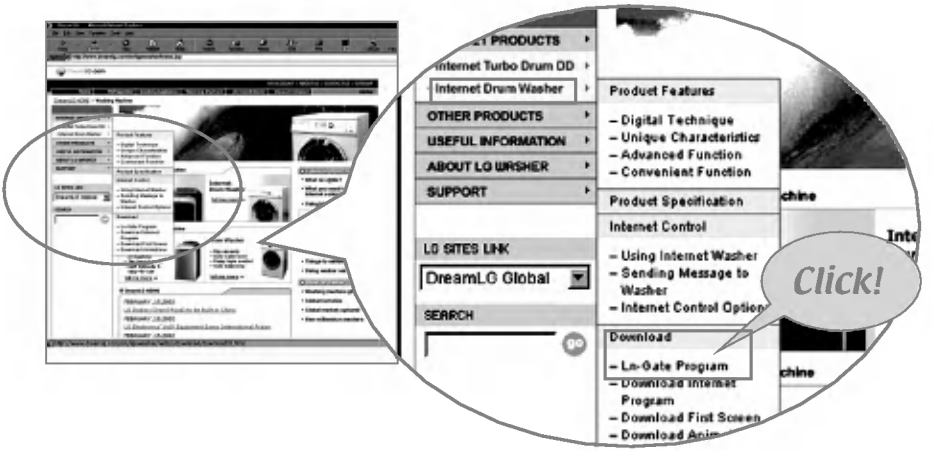
ow to use washer through Internet

Download Ln-gate program & installation

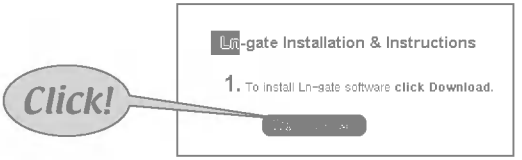
1. Log on to homepage. (http://www.dreamlg.com/en/lgewasher/index.jsp)
2. Please login at MY ACCOUNT.
   - Login as a member.
     If you are not a member, you can use this service after registering.



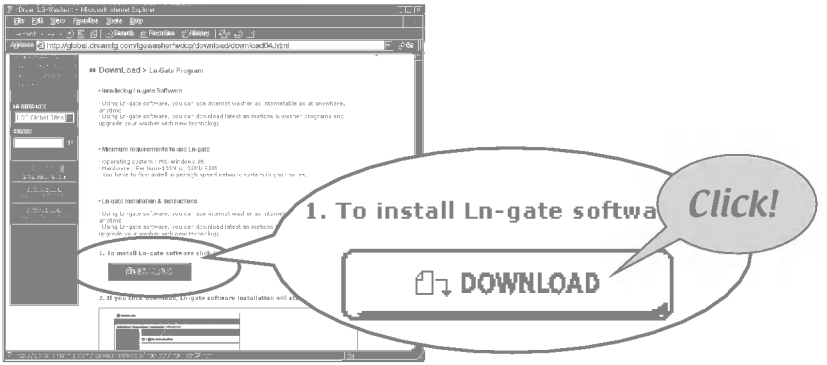
3. Click [Internet Drum Washer > Download > Ln-gate Program].



4. To install Ln-gate software click Download.



5. If you click Download, Ln-gate software installation will start.



6. “Open this file from its current location” and click OK.
Click OK in protect window.

7. You should install instruction guide.

a.



b.



c.



d.



e.

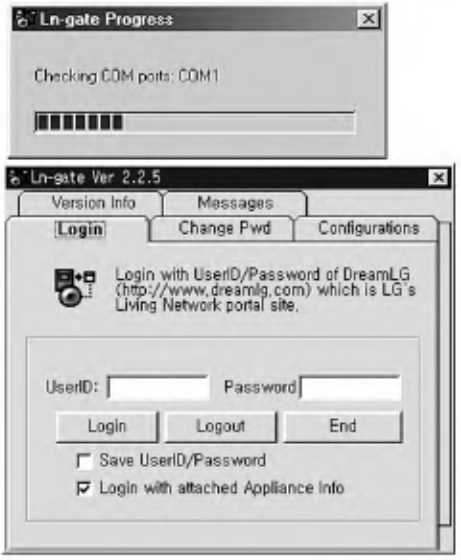


f.

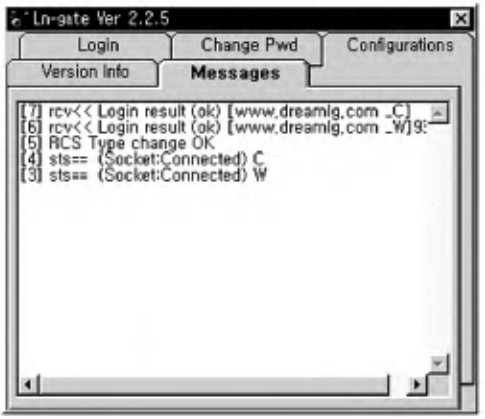


ow to use washer through Internet

8. As soon as Ln-gate software installation finishes, it runs automatically and then this windows displays on your screen.
   Now you have to login (insert id & password) and click "login"
   If you are not DreamLG registered member, then first you have to register yourself at www.dreamlg.com/en (member register link)



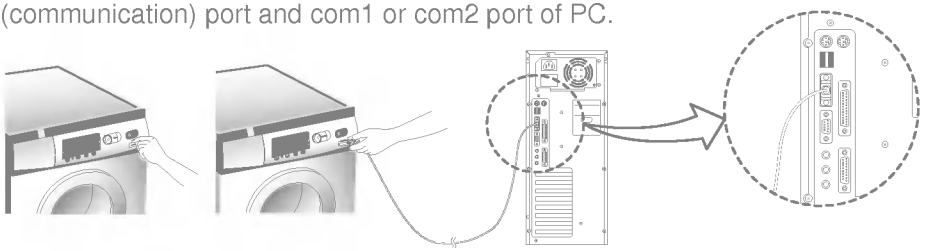
9. If you logged in successfully, then window displays on your screen consisting of login result.
   If login result is failed, then you need to check your login id or password.
   If login result is "OK", than close this window (It means Ln-gate software is running).
   Every time when computer starts Ln-gate software runs automatically.



ow to use washer through Internet

Connect PC and Washer

1. After taking off protection cover of washer's panel, connect cable to washer (communication) port and com1 or com2 port of PC.



2. Power on the washer.
3. Power on the pc, check the Internet connection and cable connection between pc and washer.
4. If Ln-gate is properly installed, you could see Ln-gate program's icon at the right bottom of the desktop screen.



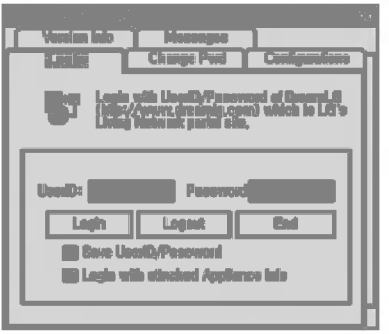
▲ **CAUTION** For energy saving, power save mode is good on your computer, and monitor off.

ow to use washer through Internet

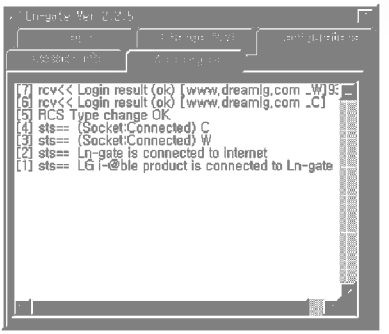
Log in

1. If log in result is "O.K", whenever computer start, Ln-gate software runs automatically.
2. Double Click **Ln-gate Tray icon**.

※ If you are not DreamLG registered member then, first you have to register yourself at www.dreamlg.com/en (Member register link)



3. If you logged in successfully then window will display on your screen consisting of login result.



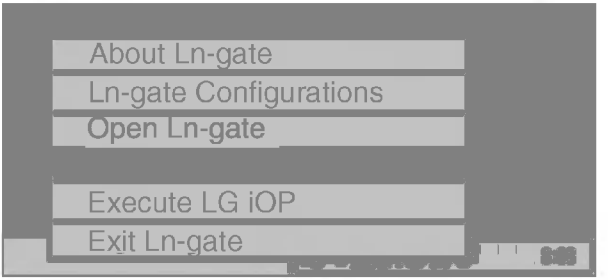
※ If there are messages like below, please refer to the following instructions.

1. LG i-@ble product is not connected to Ln-gate.
   ⇒ Check the connecting PC cable and make sure that washer is connected through power cable.
2. Ln-gate is not connected to Internet.
   ⇒ Check the connecting PC cable and make sure Internet is running on PC.
3. Invalid User ID/Password
   ⇒ Check your ID and password.

ow to use washer through Internet

Change Ln-gate password

1. Put mouse pointer on Ln-gate Tray icon and click the right button of mouse.
2. Click the **Change Ln-gate Password**.



3. Change password.

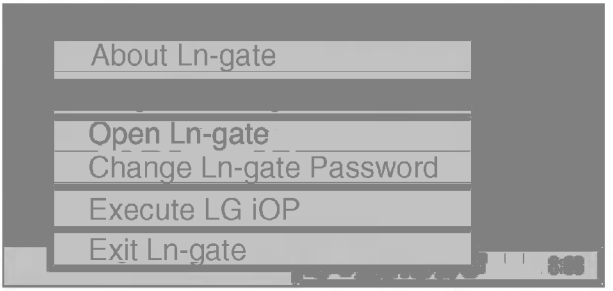


CAUTION • Your password is changed successfully, now you have to log in DreamLG homepage with new password.

ow to use washer through Internet

Environment setup

1. Put mouse pointer on Ln-gate Tray icon and click the right button of mouse.
2. Click the **Ln-gate Configurations**.



3. User's Environment setup.

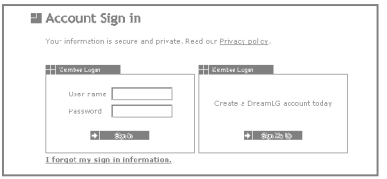


- Event log - Save washer's history being remote-controlled, Internet connection and washer operation.
- Error Recovery - Try to reconnect after a certain interval when its Internet connection is cut off.
- Use Status Indicator - While attempting to save file on washer from the distance, Ln-gate shows PC file saving status.
- Auto Start when windows starts - Automatically Ln-gate run as windows starts.

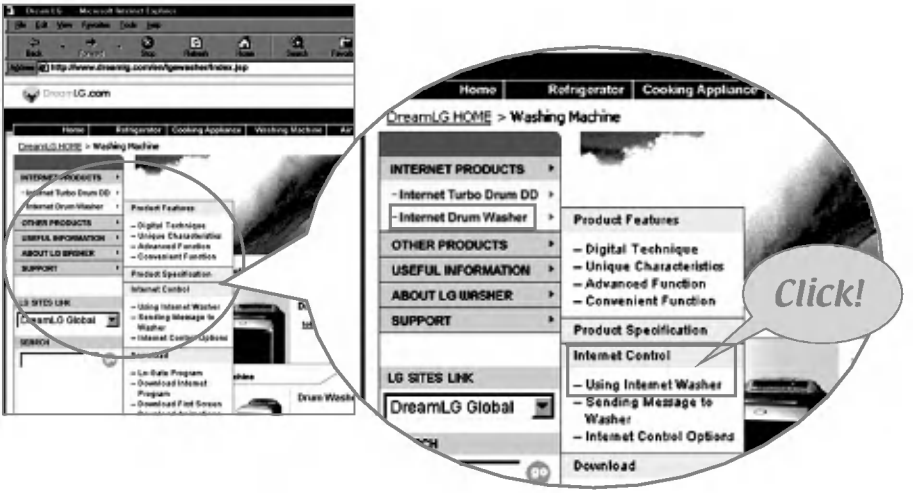
ow to use washer through Internet

Using Internet Washer

1. Open Internet explorer, log on to DreamLG homepage.
   (http://www.dreamlg.com/en/lgewasher/index.jsp)
2. Please login at MY ACCOUNT.
   - Login as a member.
     If you are not a member, you can use this service after registering.



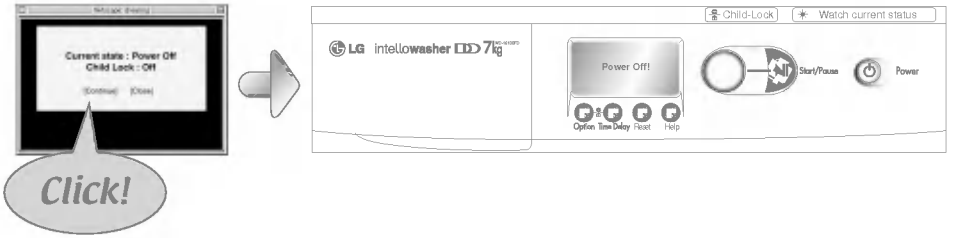
3. Click [Internet Drum Washer > Internet Control > Using Internet Washer].



NOTE Homepage contents will continue to be upgraded so owner's manual and web contents can be a little different.
Internet Washer web site is optimized minimum Explorer 5.0

ow to use washer through Internet

4. Click the **continue** button.



5. ① Click the **power**(⏻) button.
   ② By click and rotate **Program Dial** button, you can select the desired program.
   ③ Click the **Program Dial** button.
   ④ Click the **Option** button.
   - Click the **Time Delay** button.

   ⑤ By click and rotate the **Program Dial** button, you can select desired program
   - By click or rotate the **Program Dial** button, you can set the desired time.

   ⑥ Click the **Start/Pause**(⏯) button.

[Select program] [Connecting washer] [Running]

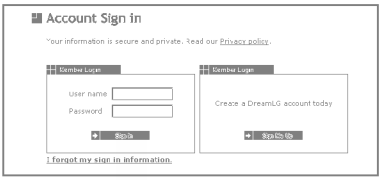


NOTE Homepage contents will continue to be upgraded so owner's manual and web contents can be a little different.
Internet Washer web site is optimized minimum Explorer 5.0

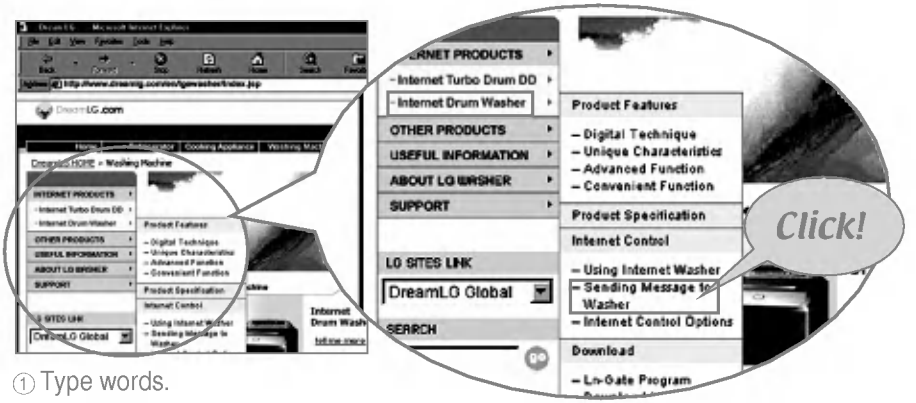
ow to use washer through Internet

Sending Message to Washer (Current Screen)

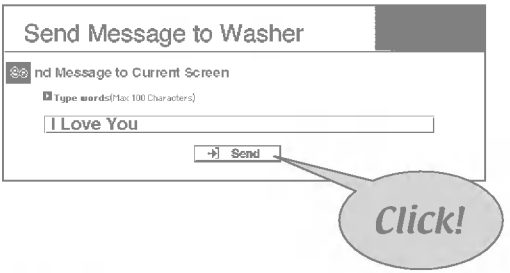
1. Open Internet explorer, log on to DreamLG homepage.
   (http://www.dreamlg.com/en/lgewasher/index.jsp)
2. Please login at MY ACCOUNT.
   - Login as a member.
     If you are not a member, you can use this service after registering.



3. Click [Internet Drum Washer > Internet Control > Sending Message to Washer].



4. ① Type words.
   ② Click the **Send** button.



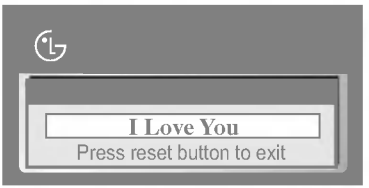
NOTE Homepage contents will continue to be upgraded so owner's manual and web contents can be a little different.
Internet Washer web site is optimized minimum Explorer 5.0

5.



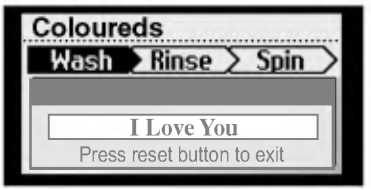
If data transfer is finished successfully, the program selection screen will appear.

6. [Power off status]



- When washer power is off and then restart on, you will see the new message on washer's display.

[Running]



- It's status would be shown as display at bottom.
- If you press the **Reset** button, it would display status running of washer.

※ If you want to reconfirm the last message.

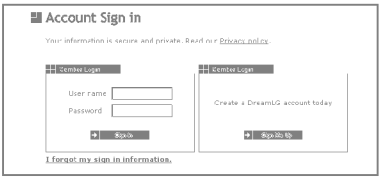
1. Press **Help** button.
2. Rotate the **Program Dial** button and select '7(View last message)' option.
3. Press the **Program Dial** button and check message.
   - You could only see the last message.
   - In case of switching off, message would be deleted.

NOTE Homepage contents will continue to be upgraded so owner's manual and web contents can be a little different.
Internet Washer web site is optimized minimum Explorer 5.0

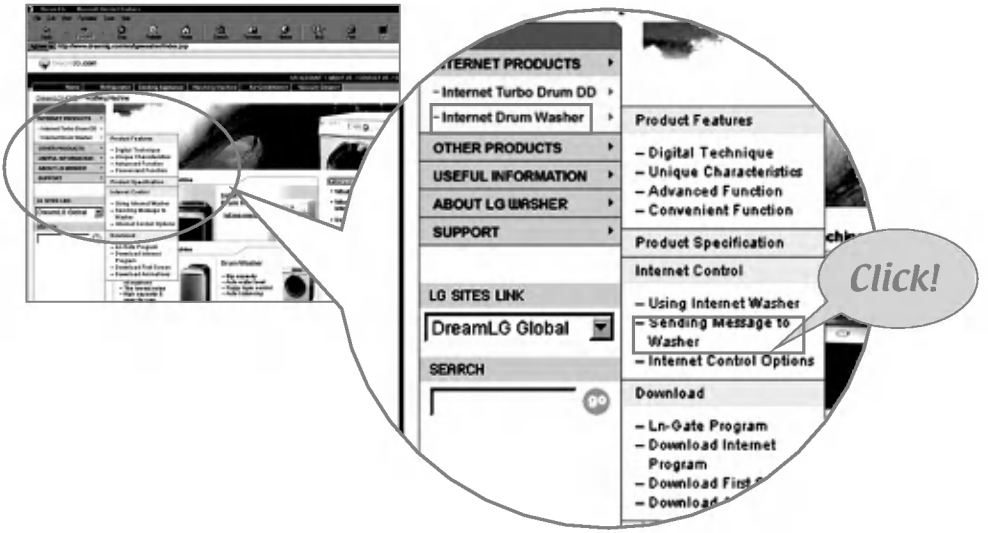
ow to use washer through Internet

Sending Message to Washer (First Screen)

1. Open Internet explorer, log on to DreamLG homepage.
   (http://www.dreamlg.com/en/lgewasher/index.jsp)
2. Please login at MY ACCOUNT.
   - Login as a member.
     If you are not a member, you can use this service after registering.

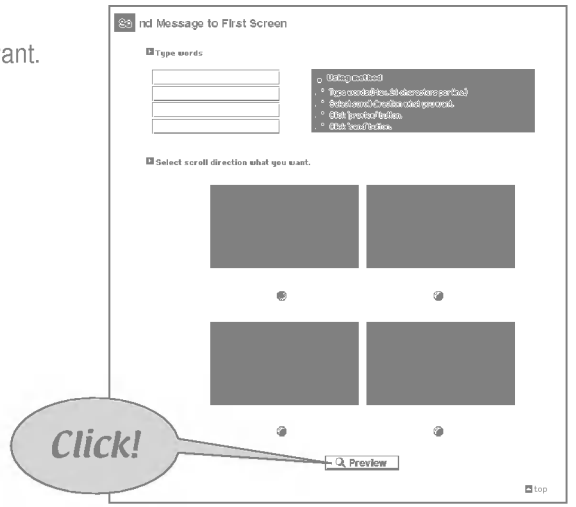


3. Click [Internet Drum Washer > Internet Control > Sending Message to Washer].



NOTE Homepage contents will continue to be upgraded so owner's manual and web contents can be a little different.
Internet Washer web site is optimized minimum Explorer 5.0

4. ① Type words.
② Select scroll direction what you want.
③ Click the **Preview** button.
④ Check message.
⑤ Click the **Send** button.



5.





If data transfer is finished successfully, the program selection screen will appear.

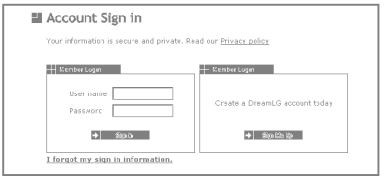
6. When washer power is off and then restarts on, you will see the changed initial screen(message) on washer's display.



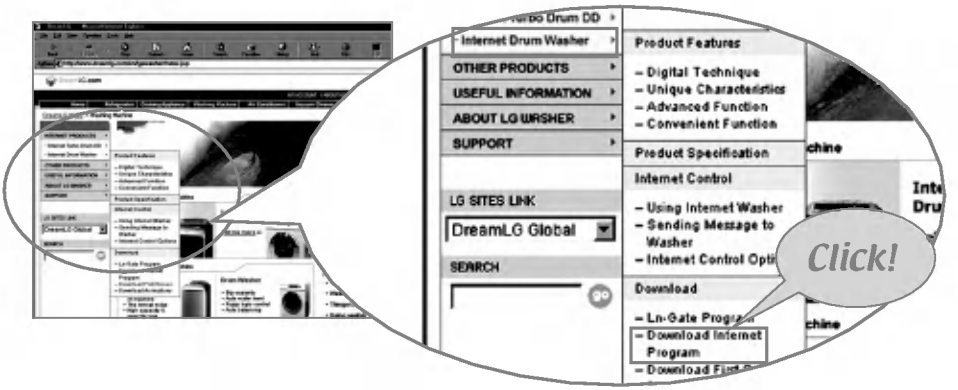
ow to use washer through Internet

Download Internet Program

1. Open Internet explorer, log on to DreamLG homepage.
   (http://www.dreamlg.com/en/lgewasher/index.jsp)
2. Please login at MY ACCOUNT.
   - Login as a member.
     If you are not a member, you can use this service after registering.



3. Click [Internet Drum Washer > Download > Download Internet Program].

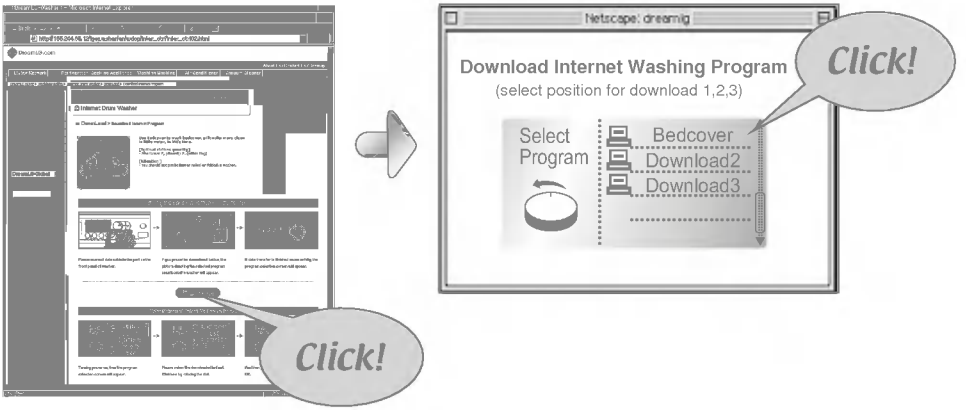


4. For downloading click the pictures of the required program.

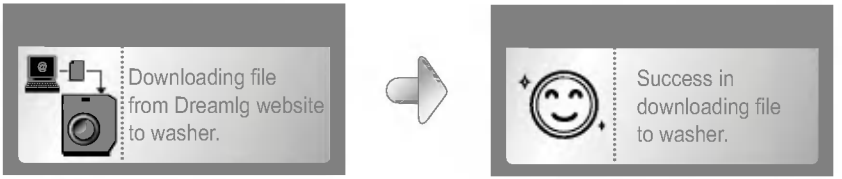


ow to use washer through Internet

5. Click the **Download** button.



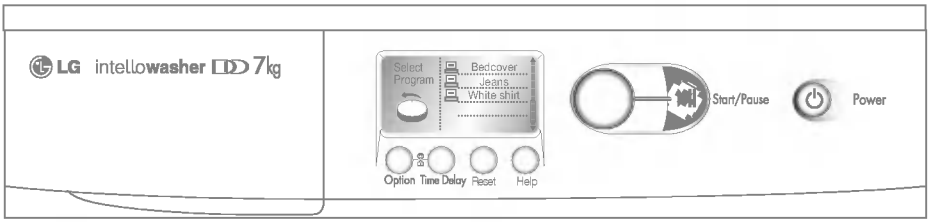
6. Saving method of **Bedcover** in the Washer



If you press the download button, the picture indicates the selected program has download to washer.

If data transfer is finished successfully, the program selection screen will appear.

7. Changed download program will be shown on washer's display.



NOTE Homepage contents will continue to be upgraded so owner's manual and web contents can be a little different.
Internet Washer web site is optimized minimum Explorer 5.0

ow to use washer through Internet

Download Internet Washing Program

Infant Clothes



The '*infant clothes*' program improves the rinse function. Use this function when you want to wash infant clothes.

[Optimal clothes quantity]

- Six pairs of top, bottom garment. (upto 2kg)

[Attention]

- Wash colorful and white laundry separately.

Bedcover



Use '*bedcover*' program to wash bedcover, pillowcase, clean's in little water, in little time.

[Optimal clothes quantity]

- Bedcover 2, Pillowcase 2. (upto 2kg)

[Attention]

- You should not put bedcover rolled or folded in washer.

Towel



Use '*towel*' program to wash your daily bathing towels, with garments which produce large nap, in little water and in little time.

[Optimal clothes quantity]

- Towel 10 (upto 3kg)

[Attention]

- You should not wash other clothes with towels as it produces large nap.

ow to use washer through Internet

Download Internet Washing Program



Use *'heavy soiled'* program to wash working clothes or heavy soiled clothes for better results.

[Optimal clothes quantity]

- Three~four pairs of top, bottom garment (upto 3.5kg)

[Attention]

- Wash colorful and white laundry separately.
- You should put detergent in both pre wash box as well as main wash box.



Use *'small load'* program to wash laundry under 1.0kg by using less water.

[Optimal clothes quantity]

- Laundry within 1kg.

[Attention]

- You should not use this program to wash laundry more than 1.0kg.
- You should not use heavy soiled laundry in this program.



Use *'jeans'* program to wash from dirt prone areas (hip, ankle, knee), on non-damageable or non-changeable color laundry.

[Optimal clothes quantity]

- Three~four pairs of top, bottom garment (upto 3.5kg)

[Attention]

- Wash colorful and white laundry separately.

ow to use washer through Internet

Download Internet Washing Program



Use '*washable silk*' program to wash dirt effectively from silk laundry without any damaged to fabric.

[Optimal clothes quantity]

- Laundry within 1kg.

[Attention]

- You should wash only washable fabrics.



The '*sportwear*' program improves rinse function to wash sportwear (cotton, a little waterproof) effectively to prevent skin disease.

[Optimal clothes quantity]

- 4 pairs of Sportwear (upto 4kg)

[Attention]

- After exercising you should immediately wash sportwear (It is uneasy to wash sportwear sweated long time.)
- 100% waterproof clothes are not washable.



Use '*white shirt*' program to wash your daily white shirt by removing dirt from dirt prone areas (collars, cuffs)

[Optimal clothes quantity]

- Six pairs of top, bottom garment. (upto 2kg)

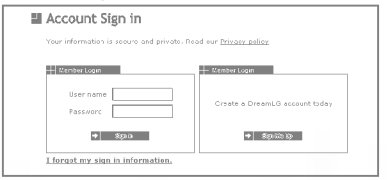
[Attention]

- Wash colorful and white laundry separately.

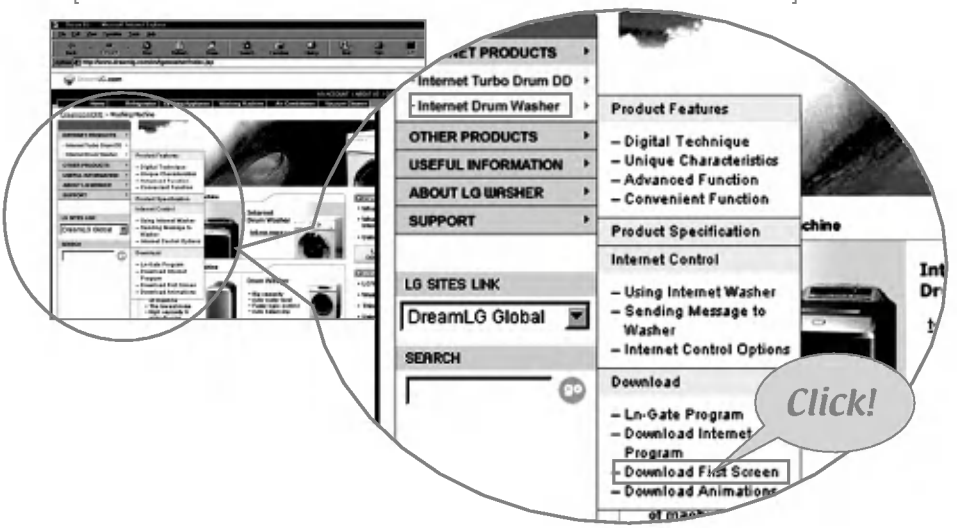
ow to use washer through Internet

Download First Screen

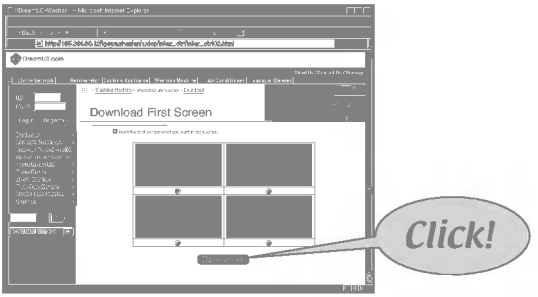
1. Open Internet explorer, log on to DreamLG homepage.
   (http://www.dreamlg.com/en/lgewasher/index.jsp)
2. Please login at MY ACCOUNT.
   - Login as a member.
     If you are not a member, you can use this service after registering.



3. Click [Internet Drum Washer > Download > Download First Screen].



4. ①Select the animations that you want for the first screen.
   ②Click the **Download** button.



5.



If you press the download button, the picture indicates the selected program has download to washer.



If data transfer is finished successfully, the program selection screen will appear.

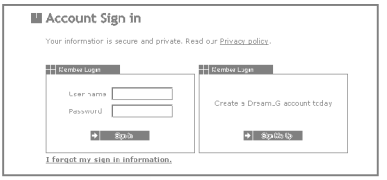
6. When washer power is off and then restart on, you will see the changed initial screen on washer's display.



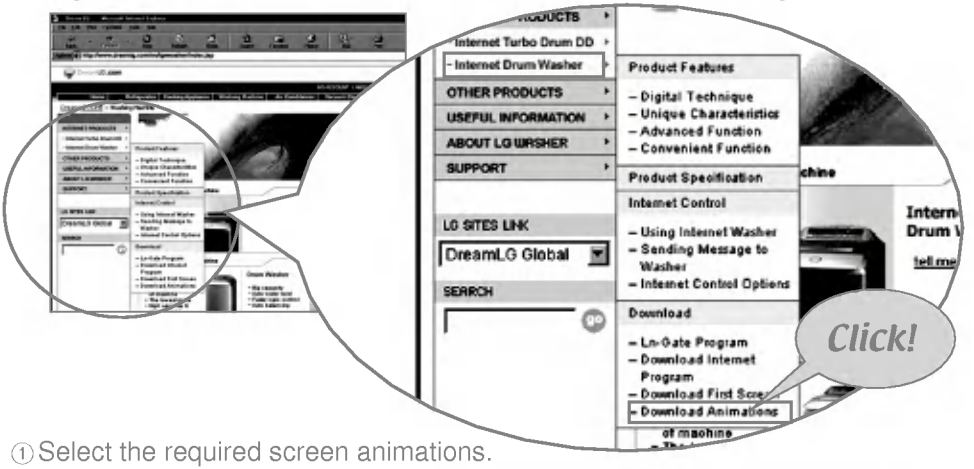
NOTE Homepage contents will continue to be upgraded so owner's manual and web contents can be a little different.
Internet Washer web site is optimized minimum Explorer 5.0

Download Animations

1. Open Internet explorer, log on to DreamLG homepage.
   (http://www.dreamlg.com/en/lgewasher/index.jsp)
2. Please login at MY ACCOUNT.
   - Login as a member.
     If you are not a member, you can use this service after registering.



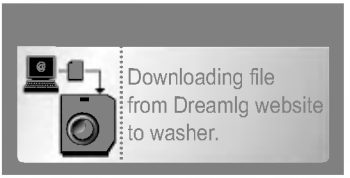
3. Click [Internet Drum Washer > Download > Download Animations].



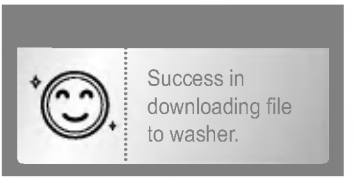
4. ① Select the required screen animations.
   ② Click the **Download** button.



5.

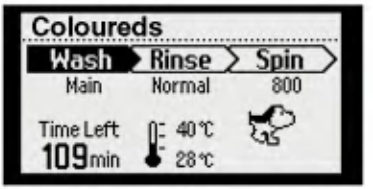


If you press the download button, the picture indicates the selected program has download to washer.



If data transfer is finished successfully, the program selection screen will appear.

6. When washer power is off and then restart on, you will see the changed running animations.



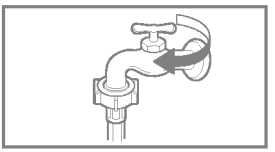
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aintenance

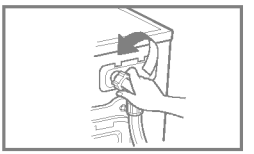
* **Before cleaning the washer interior, unplug the electrical power cord to avoid electrical shock to avoid electrical shock hazards.**
* **When disposing of the appliance, cut off the mains cable, and destroy the plug Disable the door lock to prevent young children being trapped inside.**

■ The water inlet filter

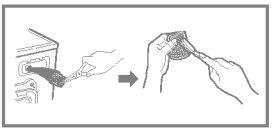
- " IE " error message will blink on the control panel when water does not enter the detergent drawer.
- If your water is very hard or contains traces of lime deposit, the water inlet filter may become clogged.
  It is therefore a good idea to clean it from time to time.



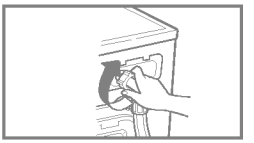
1. Turn off the water tap.



2. Unscrew the water inlet hose.



3. Clean the filter using a hard bristle brush.



4. Tighten up the inlet hose.

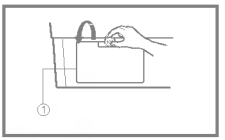
■ The drain pump filter

* The drain filter collects threads and small objects left in the laundry.
  Check regularly that the filter is clean to ensure smooth running of your machine.

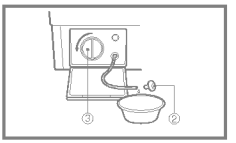
▲ **CAUTION** First drain using the drain hose and then open the pump filter to remove whatever any threads or objects.
Be careful when draining if the water is hot.

* Allow the water to cool down before cleaning the drain pump, carrying out emergency emptying or opening the door in an emergency.

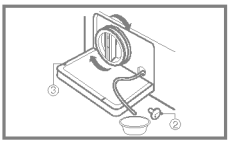
1. Open the lower cover cap (①) by using a coin. Turn the drain plug (②) to pull out the hose.



2. Unplug the drain plug (②), allowing the water to flow out. At this time use a vessel to prevent water flowing on to the floor. When water does not flow any more, turn the pump filter (③) open to the left.



3. Remove out any foreign material from the pump filter (③). After cleaning, turn the pump filter (③) clockwise and insert the drain plug (②)to the original place. close the lower cover cap.

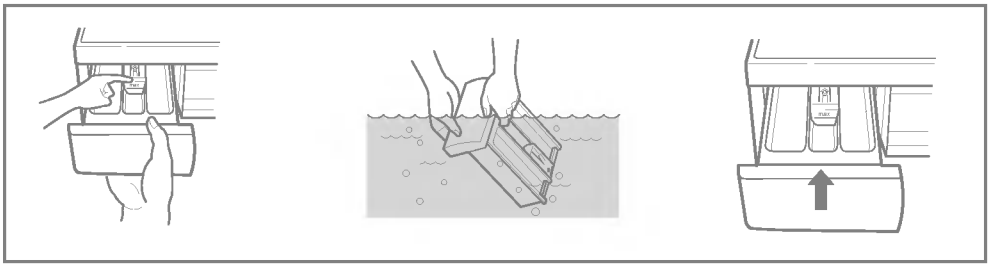


aintenance

■ Dispenser drawer

✻ After a while detergents and fabric softeners leave a deposit in the drawer.

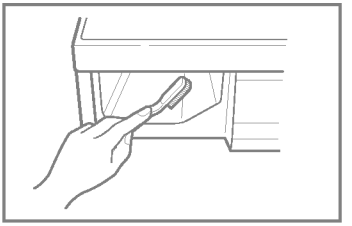
- It should be cleaned from time to time with a jet of running water.
- If necessary it can be removed completely from the machine by pressing the catch downward and by pulling it out.
- To facilitate cleaning, the upper part of the fabric softener compartment can be removed.



■ The drawer recess

✻ Detergent can also accumulate inside the recess which should be cleaned occasionally with an old toothbrush.

- Once you have finished cleaning, replace the drawer and run a rinse cycle without laundry.



■ The washing drum

- If you live in a hard water area, limescale may continuously build up in places where it cannot be seen and thus not easily removed.
  Over time the build up of scale clogs appliances, and if it is not kept in check these may have to be replaced.
- Although the washing drum is made of Stainless steel, specks of rust can be caused by small metal articles (paper clips, safety pins) which have been left in the drum.
- The washing drum should be cleaned from time to time.
- If you use descaling agents, dyes or bleaches, make sure they are suitable for washing machine use.

✻ Descaler may contain chemicals that may damage part of your washing machine.

✻ Remove any spots with a stainless steel cleaning agent.

✻ Never use steel wool.

Maintenance

■ Cleaning your washer

1. Exterior

Proper care of your washer can extend its life.

The outside of the machine can be cleaned with warm water and a neutral non abrasive household detergent.

Immediately wipe off any spills. Wipe with damp cloth.

Try not to hit surface with sharp objects.

* IMPORTANT: Do not use methylated spirits, diluents or similar products.

2. Interior

Dry around the washer door opening, flexible gasket and door glass.

Run washer through a complete cycle using hot water.
Repeat process if necessary.

NOTE Remove hard water deposits using only cleaners labeled as washer safe.

■ Cold condition

If the washer is stored in an area where freezing may occur or moved in freezing temperatures, follow these instructions to prevent damage to the washer:

1. Turn off water supply tap.
2. Disconnect hoses from water supply and drain water from hoses.
3. Plug electrical cord into a properly grounded electrical outlet.
4. Add 1gallon(3.8L) of nontoxic recreational vehicle(RV) antifreeze into an empty wash drum. Close the door.
5. Set spin cycle and let washer spin for 1minute to drain out all water.
   Not all of the RV antifreeze will be expelled.
6. Unplug electrical power cord, dry the drum interior, and close the door.
7. Remove dispenser drawer, drain and dry excessive water from the compartments.
8. Store washer in an upright position.
9. To remove antifreeze from washer after storage, run empty washer through a complete cycle using detergent. Do not add wash load.

roubleshooting guide

* This washing machine is equipped with automatic safety functions which detect and diagnose faults at an early stage and react appropriately.
When the machine does not function properly or does not function at all, check the following points before you contact your service provider.

Symptom	Possible Cause	Solution
Rattling and clanking noise	• Foreign objects such as coins or safety pins maybe in drum or pump.	Stop washer and check drum and drain filter. If noise continues after washer is restarted, call your authorized service centre.
Thumping sound	• Heavy wash loads may produce a thumping sound. This is usually normal.	If sound continues, washer is probably out of balance. Stop and redistribute wash load.
Vibrating noise	• Have all the transit bolts and packing been removed? • Are all the feet resting firmly on the ground?	If not removed during installation, refer to installation guide for removing transit bolts. Wash load may be unevenly distributed in drum. Stop washer and rearrange wash load.
Water leaks.	• Fill hoses or drain hose are loose at tap or washer.	Check and tighten hose connections.
	• House drain pipes are clogged.	Unclog drain pipe. Contact plumber if necessary.
Oversudsing		Too much detergent or unsuitable detergent may cause excessive foaming which may result in water leaks.
Water does not enter washer or it enters slowly	• Water supply it not adequate in area.	Check another tap in the house.
	• Water supply tap is not completely open.	Fully open tap.
	• Water inlet hose(s) are kinked.	Straighten hose(s).
	• The filter of the inlet hose(s) are clogged.	Check the filter of the inlet hose(s).
Water in the washer does not drain or drains slowly.	• Drain hose is kinked or clogged.	Clean and straighten the drain hose.
	• The drain filter is clogged.	Clean the drain filter.

roubleshooting guide

Symptom	Possible Cause	Solution
Washer does not start	• Electrical power cord may not be plugged in or connection may be loose.	Make sure plug fits tightly in wall outlet.
	• House fuse blown, circuit breaker tripped,or a power outage has occurred.	Reset circuit breaker or replace fuse. Do not increase fuse capacity. If problem is a circuit overload, have it corrected by a qualified electrician.
	• Water supply tap is not turned on.	Turn on water supply tap.
Washer won't spin	✳ Check that the door is firmly shut.	Close the door and press the Start/Pause button. After pressing the Start/Pause button, it may take a few moments before the clothes washer begins to spin. The door must lock before spin can be achieved.
Door does not open		Once started, the door can not be opened for safety reasons. Wait one or two minutes before opening the door to give the electric locking mechanism time to release.
Wash cycle time delayed		The washing time may vary by the amount of laundry, water pressure, water temperature and other using conditions. If the imbalance is detected or if the suds removing program works, the wash time shall be increased.

roubleshooting guide

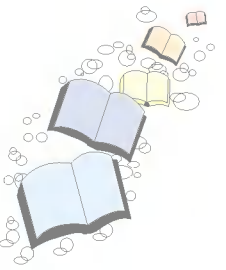
Symptom	Possible Cause	Solution
1E 	• Water supply it not adequate in area • Water supply taps are not completely open. • Water inlet hose(s) are kinked. • The filter of the inlet hose(s) are clogged.	Check another tap in the house. Fully open tap. Straighten hose(s). Check the filter of the inlet hose(s).
0E 	• Drain hose is kinked or clogged. • The drain filter is clogged.	Clean and straighten the drain hose. Clean the drain filter.
UE	• Load is too small. • Load is out of balance. • The appliance has an unbalance detection and correction system. If individual heavy articles are loaded (ex. bath mat, both robe, etc.), this system may stop spinning or even interrupt the spin cycle altogether. • If the laundry is still too wet at the end of the cycle, add smaller articles of laundry to balance the load and repeat the spin cycle.	Add 1 or 2 similar items to help balance the load. Rearrange load to allow proper spinning
dE 	 • Is the door opened?	Close the door. * If "dE "is not released, call for service.
bE		Unplug the power plug and call for service.
FE	• Water overfills due to the faulty water valve.	Close the water tap. Unplug the power plug. Call for service.
PE	• Water level sensor has malfunctioned.	
CE	• Over load in motor.	
LE	• Over load in motor.	

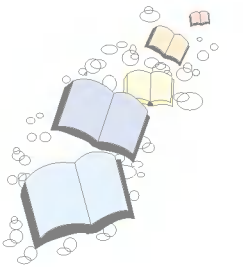
What Is Not Covered:

- Service trips to your home to teach you how to use the product.
- If the product is connected to any voltage other than that shown on the rating plate.
- If the fault is caused by accident, neglect, misuse or Act of God.
- If the fault is caused by factors other than normal domestic use or use in accordance with the owner's manual.
- Provide instruction on use of product or change the set-up of the product.
- If the fault is caused by pests for example, rats or cockroaches etc..
- Noise or vibration that is considered normal for example water drain sound, spin sound, or warming beeps.
- Correcting the installation for example, levelling the product, adjustment of drain.
- Normal maintenance which recommended by the owner's manual.
- Removal of foreign objects / substances from the machine, including the pump and inlet hose filter for example, grit, nails, bra wires, buttons etc.
- Replace fuses in or correct house wiring or correct house plumbing.
- Correction of unauthorized repairs.
- Incidental or consequential damage to personal property caused by possible defects with this appliance.
- If this product is used for commercial purpose, it is not warranted.

(Example : Public places such as public bathroom, lodging house, training center, dormitory)

If the product is installed outside the normal service area, any cost of transportation involved in the repair of the product, or the replacement of a defective part, shall be borne by the owner.







LG Electronics Inc.

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