Washing Machine
OWNER'S MANUAL

WD(M)-14100FD / 14105FD
WD(M)-16100FD / 16105FD

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.



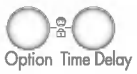
More economical by Intelligent Wash System

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.

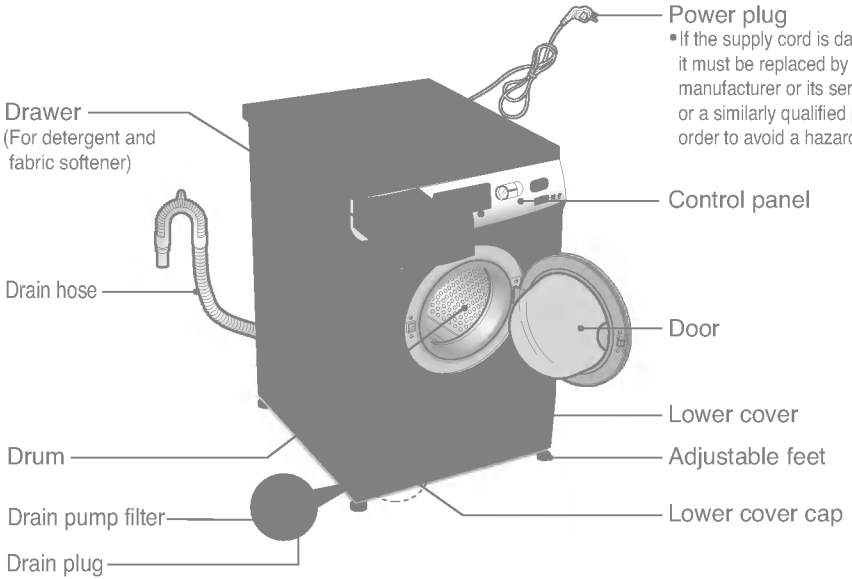
SAVE THESE INSTRUCTIONS

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.

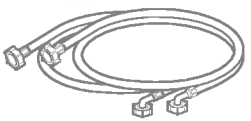
WARNING : Improper connection of the equipment-grounding conductor can result in risk of electric shock. Check with a qualified electrician or serviceman if you are in doubt as to whether the appliance is properly grounded. Do not modify the plug provided with the appliance - if it does not fit the outlet,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



- ■ Name : Front loading washing machine
- ■ Power supply : 220 - 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(M)-14100FD/14105FD]
  No Spin/400/600/800/1000/1200/1400/1600[WD(M)-16100FD/16105FD]
- ■ Water consumption : 75 ℓ (10.7 ℓ / kg)
- ■ Permissible water pressure : 0.3-10kgf/㎠ (30-1000kPa)

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

■ Accessories



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



Spanner



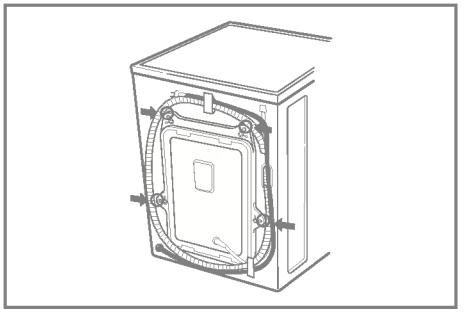
PC connect cable(10m)

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.

■ Transit bolts

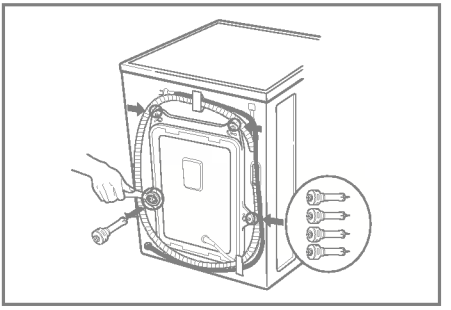
The appliance is fitted with transit bolts to prevent internal damage during transport.

■ Removing transit bolts



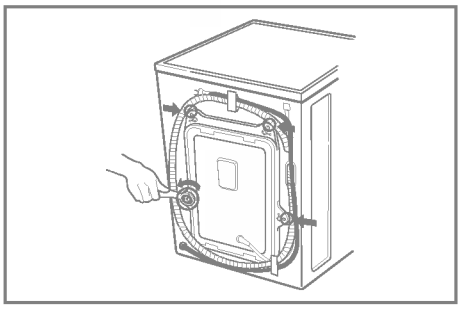
1. To prevent internal damage during transport, the special 4 bolts are locked. Before operating the washer, remove the bolts along with the rubber bungs.

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

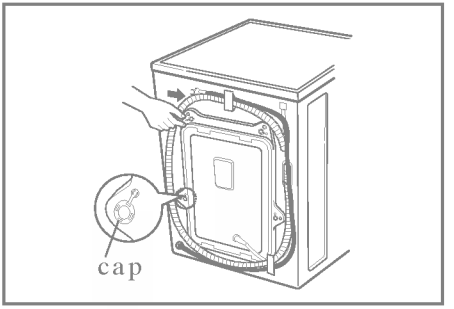


3. Take out the 4 bolts along with the rubber bungs by slightly twisting the bung. Keep the 4 bolts and the spanner for future use.

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

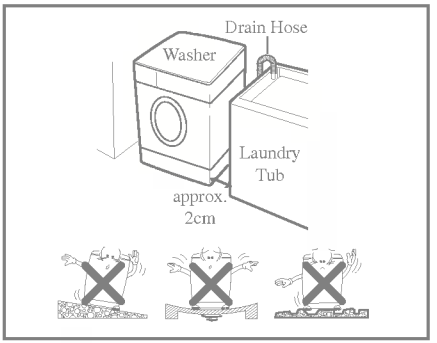


2. Unscrew the 4 bolts with the spanner supplied.



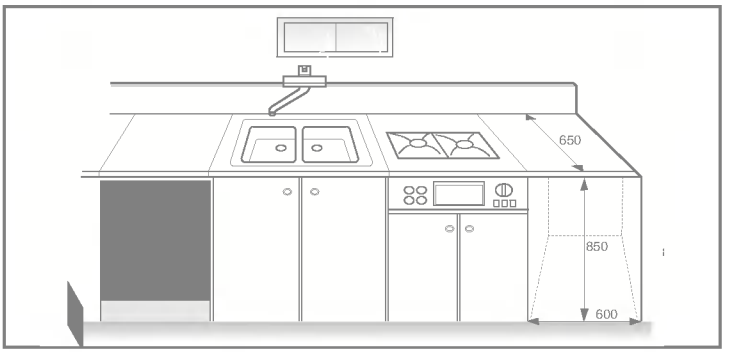
4. Close the holes with the caps supplied.

■ Installation place requirement



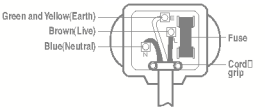
Level floor :
Allowable slope under entire washer is 1°
Power outlet :
Must be within 1.5 meters of either side of location of washer. Do not overload the outlet with more than one appliance.
Additional Clearance :
For wall, door and floor modeling is required.
(10cm : rear /2cm:right & left side)

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.

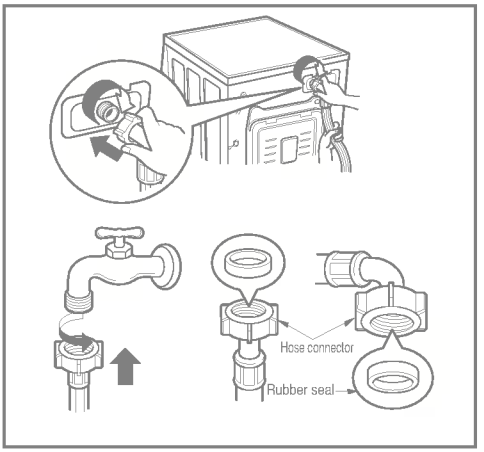
Installation

■ 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.

■ 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

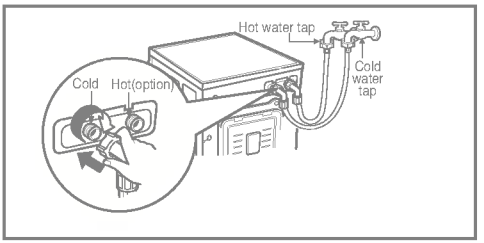


▶*Water supply pressure must be between 30kPa and 1000kPa (0.3~10kg.f/cm²)*

▶*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.



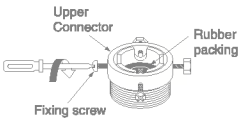
▶*When your washer has two valves,*

- 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.

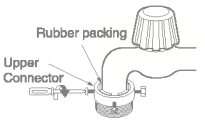
Installation

■ Normal Tap without thread & screw type inlet hose

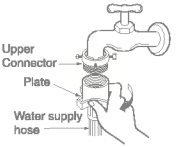
1. Unscrew the fixing screw to attach the tap.



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

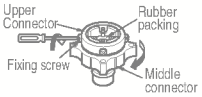


3. Push the water supply hose vertically upwards so that the rubber packing within in the hose can adhere completely to the tap and then tighten it by screwing it to the right.

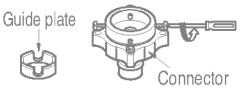


■ Normal Tap without thread & one touch type inlet hose

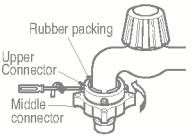
1. Untighten the upper connector screw.



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

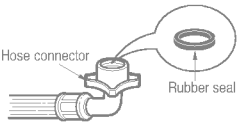


2. Push the upper connector up till the rubber packing is in tight contact with the tap. Then tighten the 4 screws.

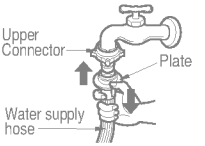


• Turn the middle connector not to have water leaked.

• 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.



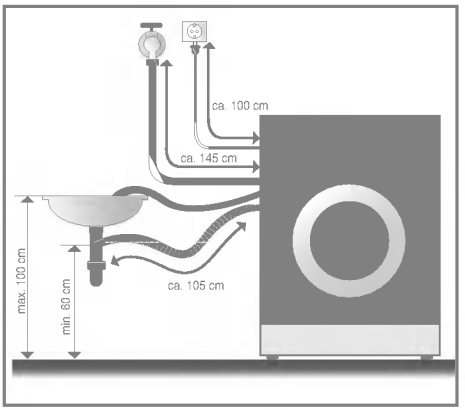
• Your machine comes with only cold water connection.

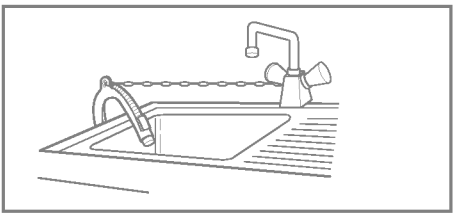
• Make sure that there are no kinks in the hose and that it is not crushed.

Used the horizontal tap	
Horizontal tap	
Extension tap	
Square tap	

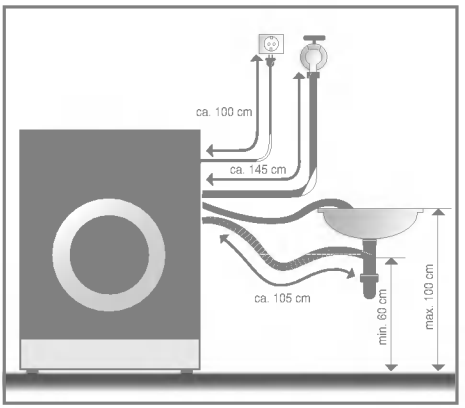
nstallation

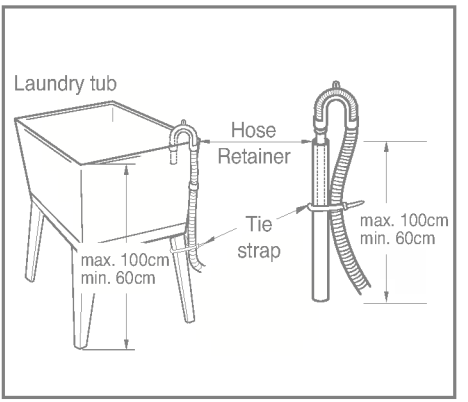
■ Installation of drain hose





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



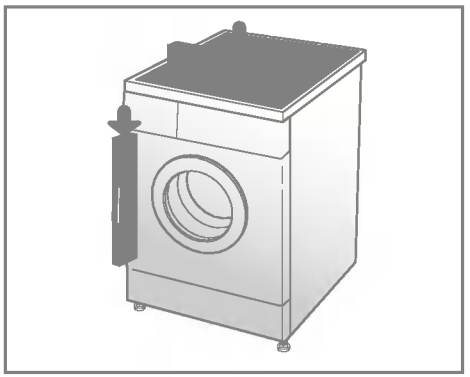


- The drain hose should not be placed higher than 100 cm above the floor.
- Proper securing the drain hose will protect the floor from damage due to water leakage.
- When the drain hose is too long, please don't fill into the washer. This will cause abnormal noise.

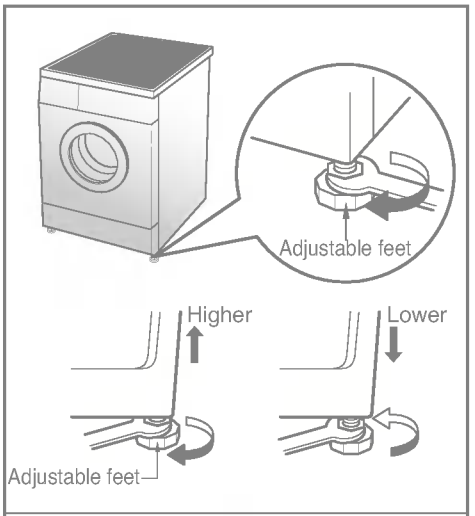
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nstallation

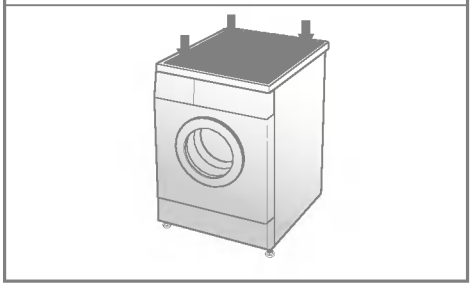
■ Level adjustment



1. Leveling a the washing machine 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

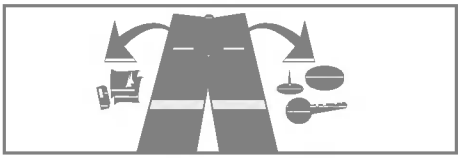
1. Care Labels
   Look for a care label on your clothes. This will tell you about the fabric content of your garment and how it should be washed.

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.

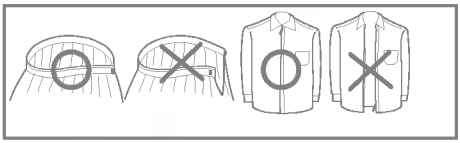
Soil (Heavy, Normal, Light)	Separate clothes according to amount of soil.
Color (White, Lights, Darks)	Separate white fabrics from colored fabrics.
Lint (Lint producers, Collectors)	Wash lint producers and lint collectors separately.

3. Caring before loading

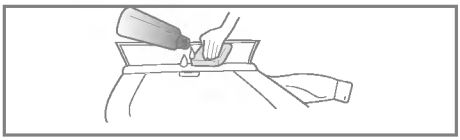
■ **Combine large and small items in a load. Load large items first. Large items should not be more than half the total wash load.**
Do not wash single items. This may cause an out-of-balance load. Add one or two similar items.



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



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

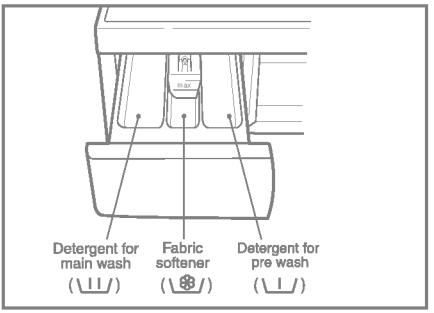


• Pre treat dirt and stains by brushing a little detergent dissolved in water onto stains like collars and cuffs to help shift dirt.

dding detergent

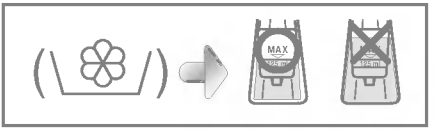
■ Adding detergent and fabric softener

1. The Dispenser Drawer



- Main wash only U
- Pre Wash + Main Wash U

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 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.

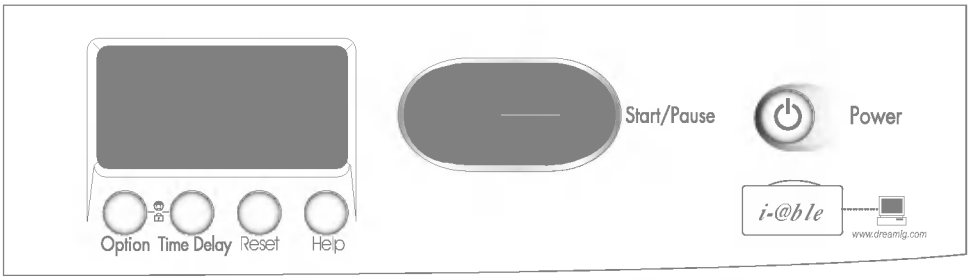
- Detergent is flushed from the dispenser at the beginning of the cycle.

unction

■ Recommended program according to the laundry type

Program	Fabric Type	Proper Temp. (Option)	Washing (Option)	Load	Water in Liter	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	95	2.9	165
				5.0kg	88	2.4	165
				2.0kg	75	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	75	0.72	122
				5.0kg	65	0.7	122
				2.0kg	52	0.6	112
Synthetic	Polyamide, Acrylic, Polyester.	40˚C(Cold, 30˚C,50˚C, 60˚C)	Main+(Pre) +(Soak)	3.5kg	60	0.5	93
				2.0kg	48	0.4	
Delicate	Delicate laundry easily damaged.(silk, curtains...)	30˚C (Cold, 40˚C)	Main	3.0kg	60	0.5	64
				1.0kg	48	0.3	
Wool	Machine washable woolens with pure new wool only.	30˚C (Cold, 40˚C)	Main	2.0kg	52	0.3	62
				1.0kg	48	0.2	
Hand Wash	"Hand Wash" marked delicate and wool laundry.	Cold (30˚C,40˚C)	Main	2.0kg	52	0.03	56
				1.0kg	48	0.01	
Quick 30	Laundry type is the same in Cotton and Synthetic.	30˚C (Cold, 40˚C)	Main	5.0kg	48	0.3	30
				2.0kg	40	0.2	

* Pre Wash : If the laundry is heavily soiled, "Pre Wash" course is effective.
  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 energy.
  You can select Eco function when temperature is higher than 60˚C in Whites, Coloureds and Synthetic.



1. For use in the initial program (Coloureds)

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

2. Manual Selecting

- To start press the **Power(⏻)** button.
- 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.

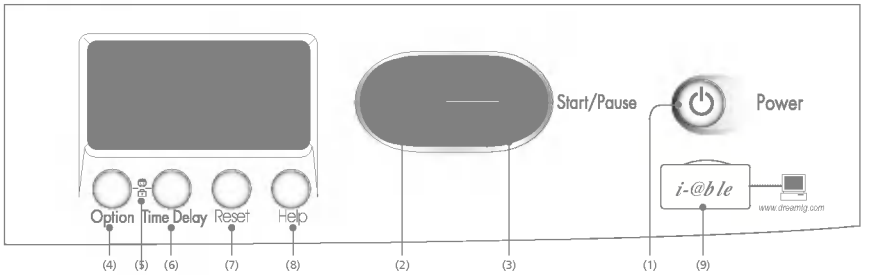
3. Beep on/off

- 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.

ow to use washer



(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, it can also be used.

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 selecting the program, just press **Start/Pause(⏯)** button and then the washer will proceed.

Initial program

- *[WD(M)-16100FD / 16105FD]*
  -Coloureds Program / Main wash / Normal Rinse / 1600 rpm / 40℃
- *[WD(M)-14100FD / 14105FD]*
  -Coloureds Program / Main Wash / Normal Rinse / 1400 rpm / 40℃

1. Program Selection

- When **Start/Pause(⏯)** button is pressed, *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 orders of "Coloureds ∪ Synthetic ∪ Delicate ∪ Wool ∪ Hand Wash ∪ Quick 30 ∪ Rinse+Spin ∪ Spin only∪ Pump only ∪ Whites".

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

2. Program

- Whites	*- Hand Wash*	*- Download 1*
- Coloureds	*- Quick 30*	*- Download 2*
- Synthetics	*- Rinse+Spin*	*- Download 3*
- Delicate	*- Spin only*	
- Wool	*- Pump only*	

ow to use washer

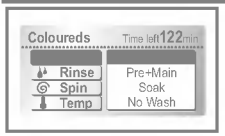


1. Start

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

2. Pause

- If temporary stop of wash cycle is needed, press **Start/Pause(⏯)** button.
- After the pause button is pressed, the power is turned off automatically 4 minutes later.



- 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

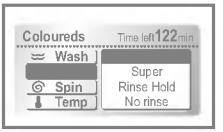
- ***Main Wash*** course is available for lightly or normally soiled laundry.

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

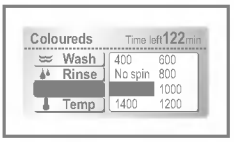
- ***Whites / Coloureds / Synthetic performs 3 Rinses***
- ***Wool / Hand Wash /Delicate / Quick 30 performs 2 Rinses***

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

- If you desire to leave fabrics in the machine without spinning after rinse to prevent them from getting wrinkled, you may select rinse hold by rotating and pressing the **Program Dial** button.
- If you want to drain and spin, when Rinse Hold function is proceed, Press the **Start/Pause(⏯)** button to cancel the Rinse Hold function and select spin speed or program.
  Press the **Start/Pause(⏯)** button again to start program.
- If you want to drain only, select "No spin" of the spin course.



WD(M)-16100FD
WD(M)-16105FD

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

[WD(M)-14100FD/ 14105FD]
- *No spin*
- *400*
- *600*
- *800*
- *1000*
- *1200*
- *1400*

[WD(M)-16100FD/ 16105FD]
- *No spin*
- *400*
- *600*
- *800*
- *1000*
- *1200*
- *1400*
- *1600*

1. Spin selection

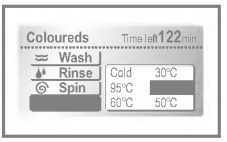
• Spin rpm is available according to the program as follows.

- *Whites / Coloureds*
[WD(M)-16100FD / 16105FD]
1600U No SpinU 400U 600U 800U 1000U 1200U 1400
[WD(M)-14100FD / 14105FD]
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(M)-16100FD / 16105FD]
400U 600U 800U 1000U 1200U 1400U 1600U No Spin
[WD(M)-14100FD / 14105FD]
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

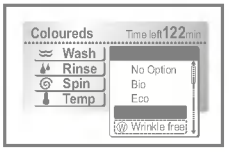
- *Coloureds* & *Synthetic*
40°C U 50°C U 60°C U Cold U 30°C

- *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.

ow to use washer



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

• To use this option function, you pressing the **Option** button before program started.

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**(⏵⏸) 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.
[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.
[You can select *Eco* function when temperature is higher than 60°C in *Whites, Coloureds and Synthetic.*]

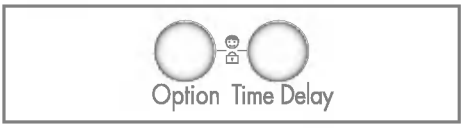
3. Time Save

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

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

4. Wrinkle free

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



If you want to lock all the buttons to prevent operation by a child or infirm persons, this function can be used.

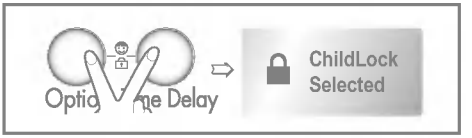
1. Child lock

• 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 **Option** and **Time Delay** button simultaneously again.



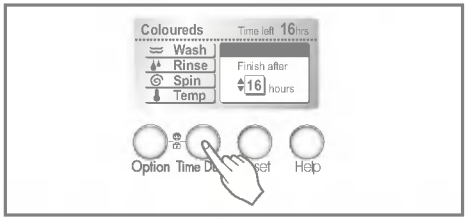
• If you want to change the program when Child lock is active,

1. Press and hold both **Option** and **Time Delay** button together.
2. Press the **Start/Pause(⏵⏸)** button.
3. Change the desired program and press the **Start/Pause(⏵⏸)** button.



• 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.

ow to use washer



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 has a trouble, the trouble type is displayed.

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

If this 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

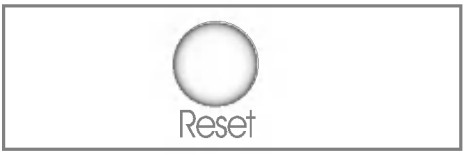
• During washing cycle, the remaining washing time is displayed.

• Default time of each program.

- Whites : around 2 hours and 45 minutes
- Coloureds : around 2 hours and 2minutes
- Synthetic : around 1 hours and 33 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 the imbalance is detected or if the suds removing program works, the wash time shall be longer.
(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.html)
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

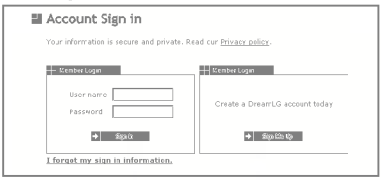
- Read Ln-gate program installation guide and follow the instructions.
- After installation, you can use Internet-guided service with Ln-gate program.

▲ 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.

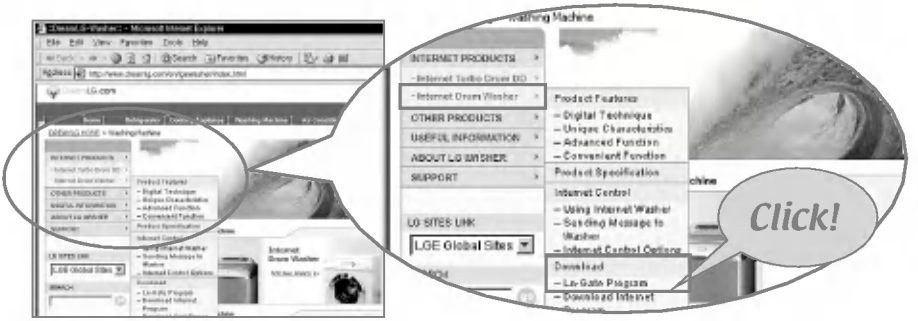
Download Ln-gate program & installation

1. Log on to homepage. (http://www.dreamlg.com/en/lgewasher/index.html)

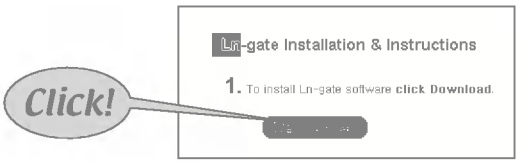
2. Please log in.
   - Log in as a member.
     If you are not a member, you can use this service after registering.



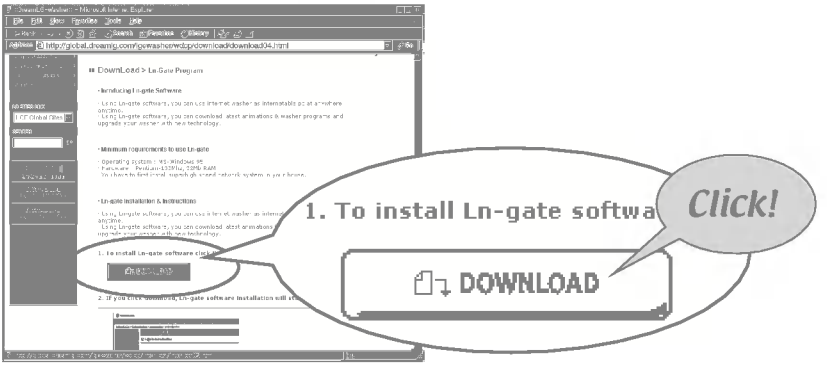
3. Click [Internet Drum Washer > Download > Ln-gate Program].



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.

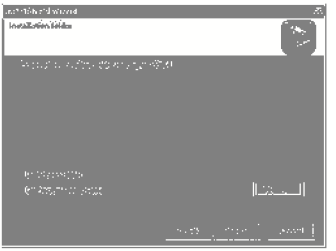
7. You should install instruction guide.



c.



d.



e.



f.

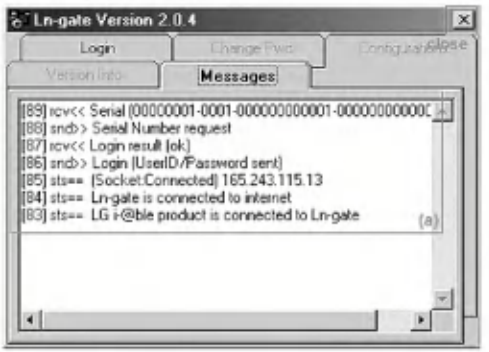


8. As soon as Ln-gate software installation finishes, it runs automatically and then this windows displays on your screen.
   Now you have to log in (insert id & password) and click “log in”
   If you are not DreamLG registered member, then first you have to register yourself at www.dreamlg.com/en (member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



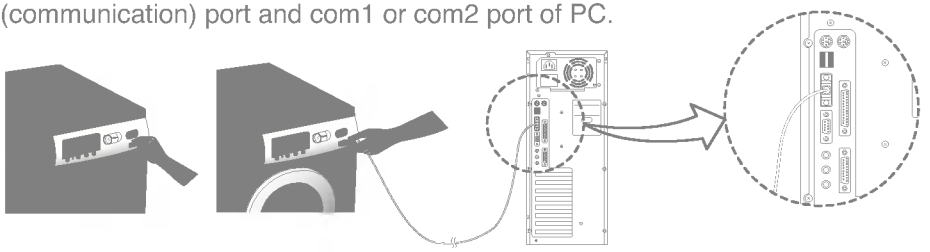


9. If you logged in successfully, then window (a) displays on your screen consisting of log in result.
   If log in result is failed, then you need to check your log in id or password.
   If log in result is “OK”, than close this window (It means Ln-gate software is running).
   Every time when computer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



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.

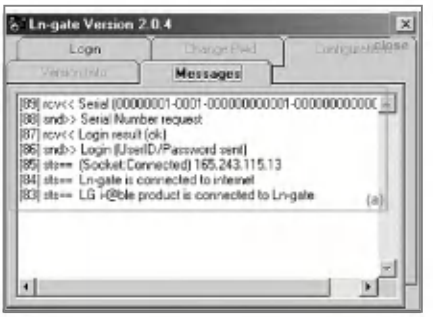
Log in

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 (a) will display on your screen consisting of log in result.

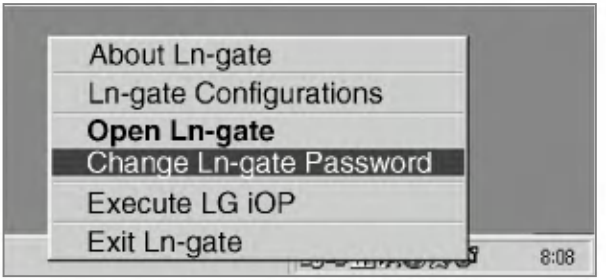


※ If there are messages like below, please refer to the following instructions.

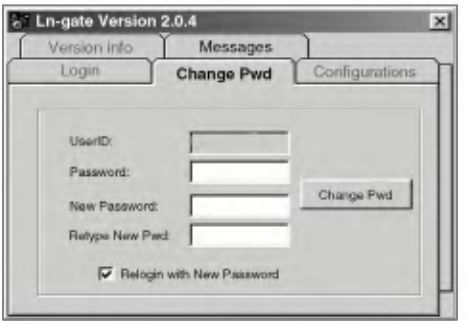
1. LG i-@ble product is not connected to Ln-gate.
   ⇒ Check the connecting PC cable and make sure that washer is connected through power cable.
2. Ln-gate is not connected to Internet.
   ⇒ Check the connecting PC cable and make sure Internet is running on PC.
3. Invalid User ID/Password
   ⇒ Check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

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**.



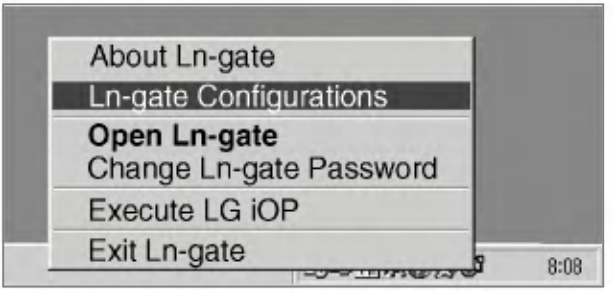
3. Change password.



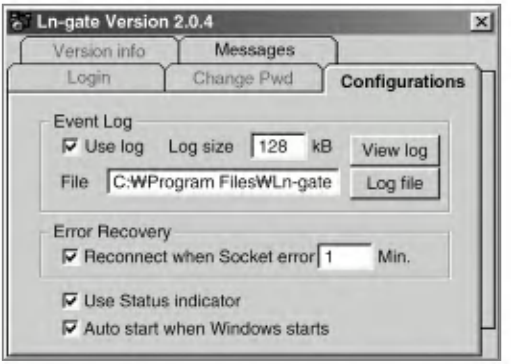
CAUTION • Your password is changed successfully, now you have to log in DreamLG homepage with new password.

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.

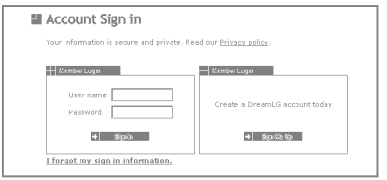


- Event log - Save washer's history being remote-controlled, Internet connection and washer operation.
- Error Recovery - Try to reconnect after a certain interval when its Internet connection is cut off.
- Use Status Indicator - While attempting to save file on washer from the distance, Ln-gate shows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

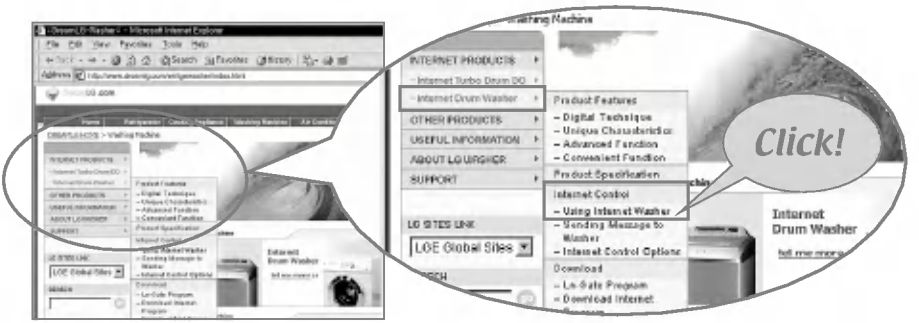
Using Internet Washer

1. Open Internet explorer, log on to DreamLG homepage.
   (http://www.dreamlg.com/en/lgewasher/index.html)

2. Please log in.
   - Log in as a member.
     If you are not a member, you can use this service after registering.

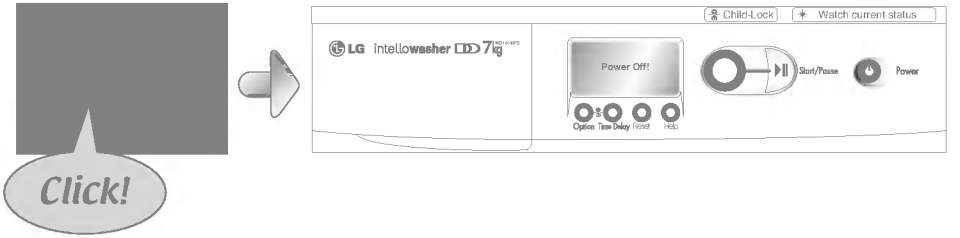


3. Click [Internet Drum Washer > Internet Control > Using Internet Washer].



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

4. Click the **continue** button.



5. ① Click the **power**(⏻) button.
② By rotating **Program Dial** button, you can select the desired program.
③ Click the **Program Dial** button.
④ Click the **Start/Pause**(⏯) button.

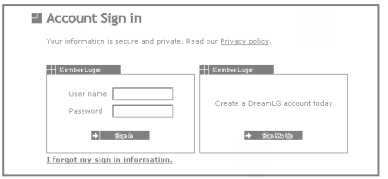


NOTE Homepage contents will continue to be upgraded so owner's manual and web contents can be a little different.
Internet Washer web site is optimized minimum Explorer 5.0

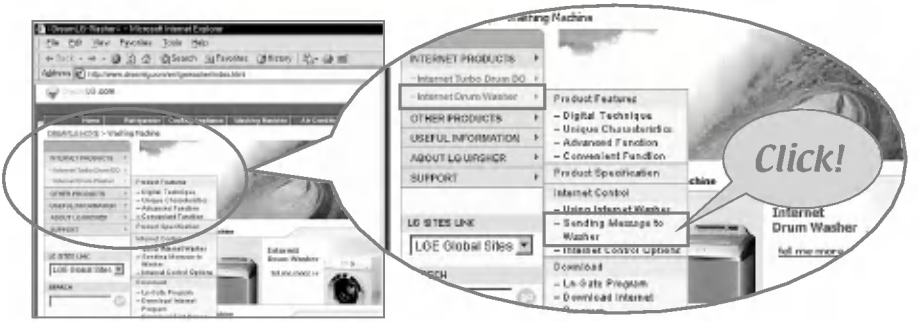
Sending Message to Washer (Current Screen)

1. Open Internet explorer, log on to DreamLG homepage.
   (http://www.dreamlg.com/en/lgewasher/index.html)

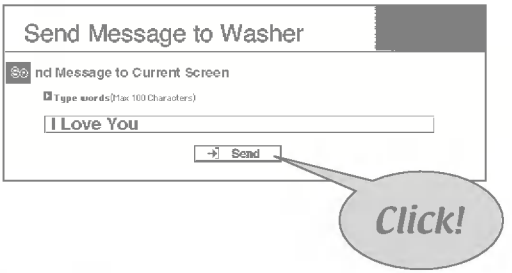
2. Please log in.
   - Log in as a member.
     If you are not a member, you can use this service after registering.



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



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



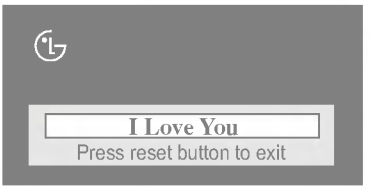
NOTE Homepage contents will continue to be upgraded so owner's manual and web contents can be a little different.
Internet Washer web site is optimized minimum Explorer 5.0

5.



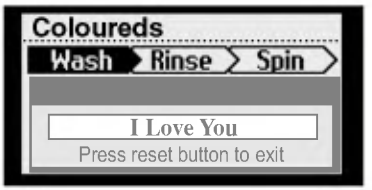
If data transfer is finished successfully, the program selection screen will appear.

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.

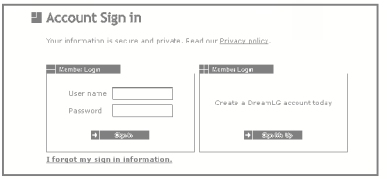
※ If you want to reconfirm the last message.

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.

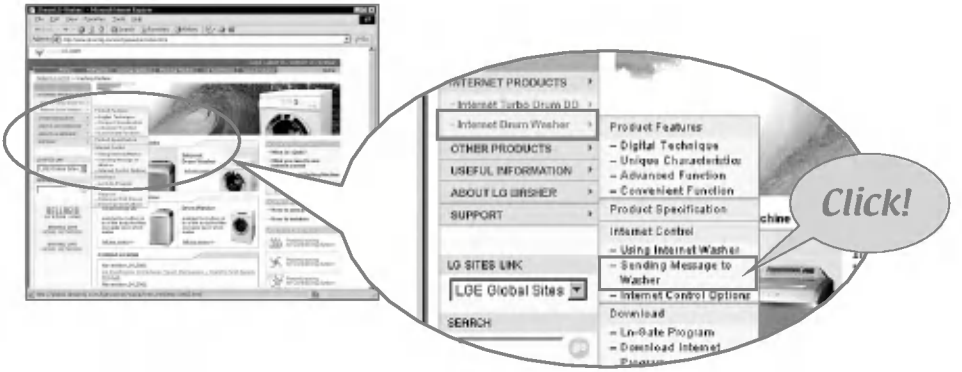
NOTE Homepage contents will continue to be upgraded so owner's manual and web contents can be a little different.
Internet Washer web site is optimized minimum Explorer 5.0

Sending Message to Washer (First Screen)

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



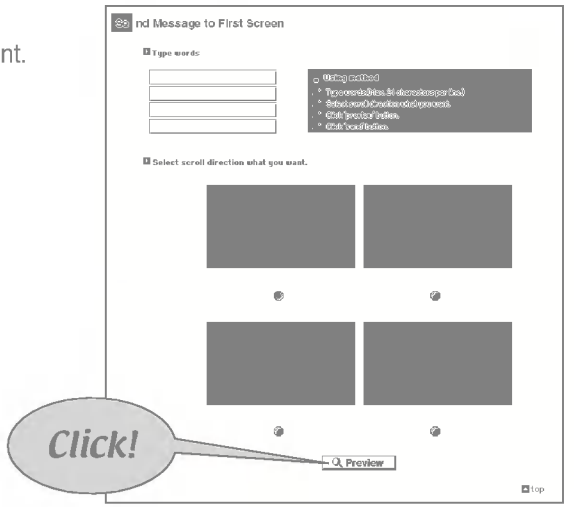
3. Click [Internet Drum Washer > Internet Control > Sending Message to Washer].



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

ow to use washer through Internet

4. ① Type words.
② Select scroll direction that 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.

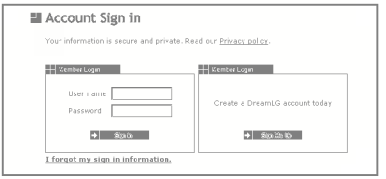
6. When washer power is off and then restarts on, you will see the changed initial screen(message) on washer's display.



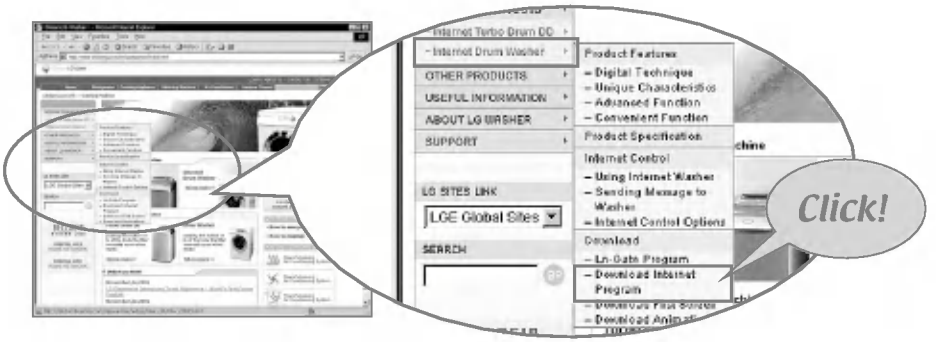
Download Internet Program

1. Open Internet explorer, log on to DreamLG homepage.
   (http://www.dreamlg.com/en/lgewasher/index.html)

2. Please log in.
   - Log in as a member.
     If you are not a member, you can use this service after registering.



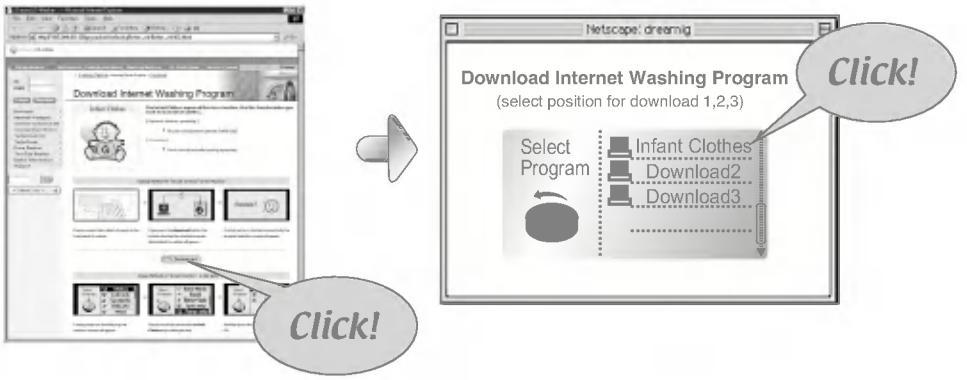
3. Click [Internet Drum Washer > Download > Download Internet Program].



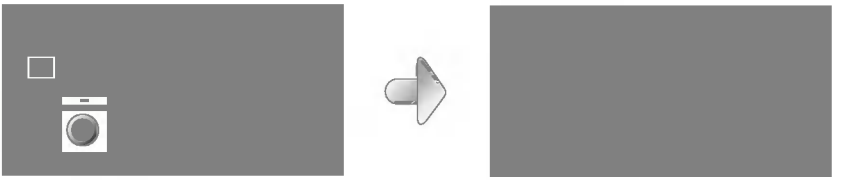
4. For downloading click the pictures of the required program.



5. Click the **Download** button.



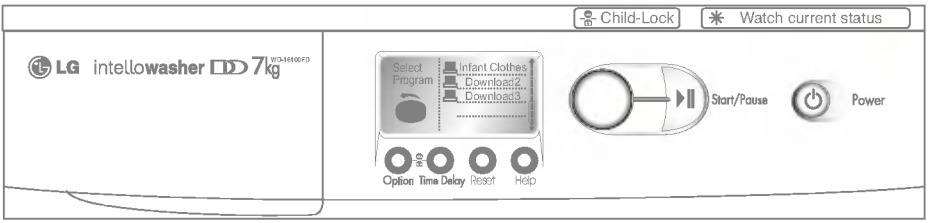
6. Saving method of **Infant Clothes** in the Washer



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 and Internet homepage.



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 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.

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.

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)

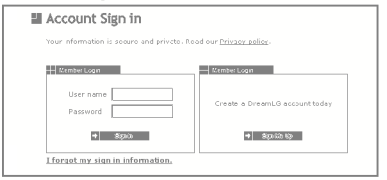
[Attention]

- Wash colorful and white laundry separately.

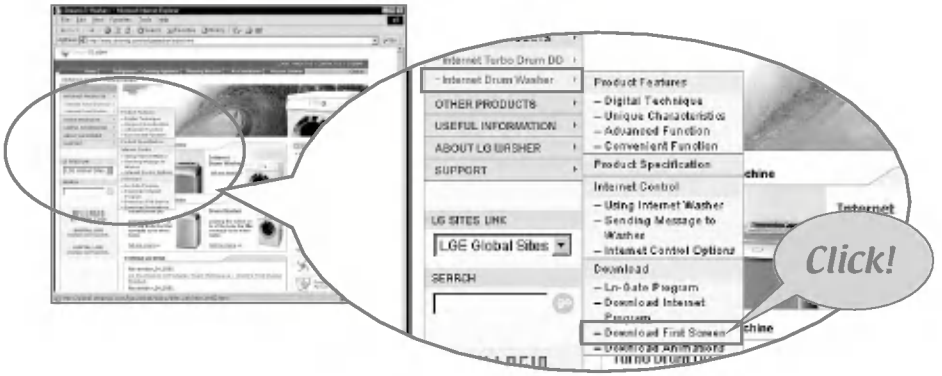
Download First Screen

1. Open Internet explorer, log on to DreamLG homepage.
   (http://www.dreamlg.com/en/lgewasher/index.html)

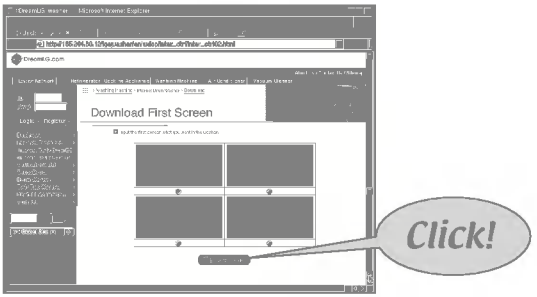
2. Please log in.
   - Log in as a member.
     If you are not a member, you can use this service after registering.



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



4. ① Select the animations that you want for the first screen.
   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 initial screen on washer's display.



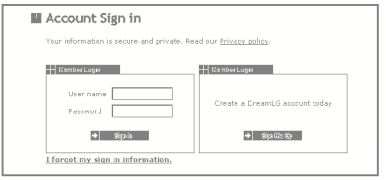
NOTE Homepage contents will continue to be upgraded so owner's manual and web contents can be a little different.
Internet Washer web site is optimized minimum Explorer 5.0

ow to use washer through Internet

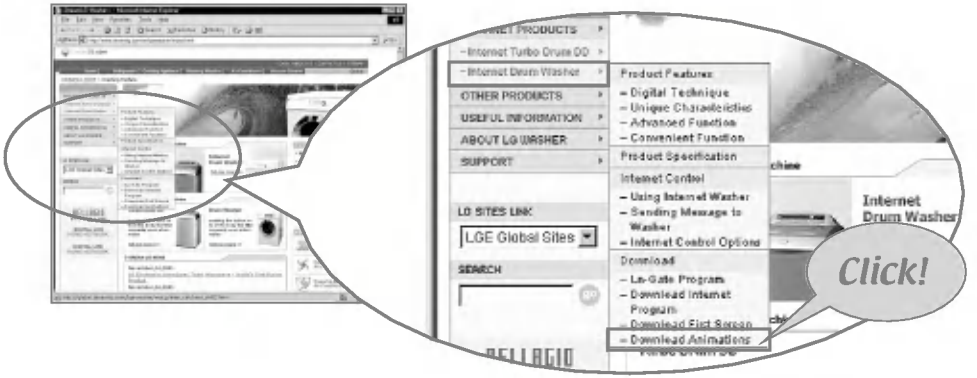
Download Animations

1. Open Internet explorer, log on to DreamLG homepage.
   (http://www.dreamlg.com/en/lgewasher/index.html)

2. Please log in.
   - Log in as a member.
     If you are not a member, you can use this service after registering.

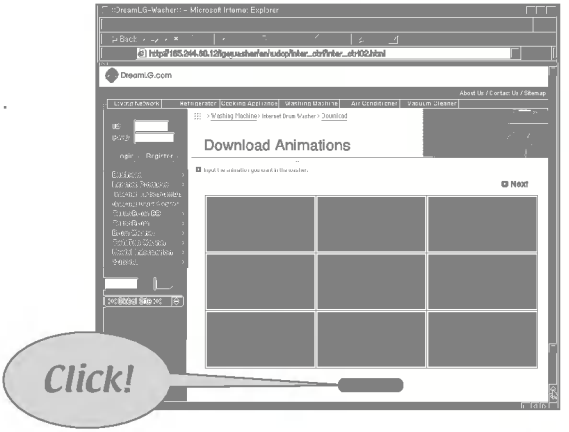


3. Click [Internet Drum Washer > Download > Download Animations].



4. ① Select the required screen animations.

   ② Click the **Download** button.



ow to use washer through Internet

5.

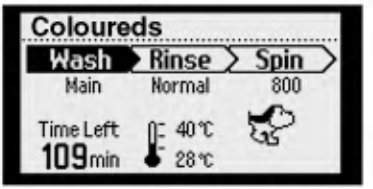


If you press the download button, the picture indicates the selected program has download to washer.



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.

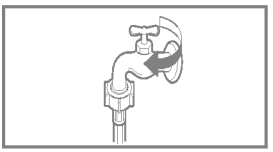


NOTE Homepage contents will continue to be upgraded so owner's manual and web contents can be a little different.
Internet Washer web site is optimized minimum Explorer 5.0

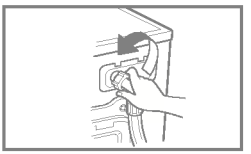
* **Before cleaning the washer interior, unplug the electrical power cord to avoid electrical shock to avoid electrical shock hazards.**

■ The water inlet filter

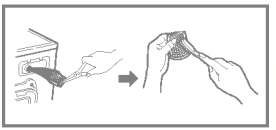
- " iE " error message will blink on the control panel when water does not enter the detergent drawer.
- If your water is very hard or contains traces of lime deposit, the water inlet filter may become clogged.
  It is therefore a good idea to clean it from time to time.



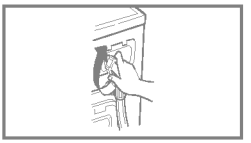
1. Turn off the water tap.



2. Unscrew the water inlet hose.



3. Clean the filter using a hard bristle brush.



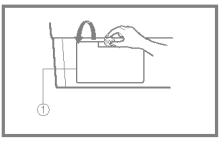
4. Tighten up the inlet hose.

■ The drain pump filter

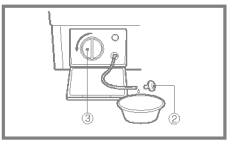
* The drain filter collects threads and small objects left in the laundry.
  Check regularly that the filter is clean to ensure smooth running of your machine.

▲ **CAUTION** First drain it using the drain hose and then open the pump filter to remove whatever may have stopped it up.
Be careful when draining if the water is hot.

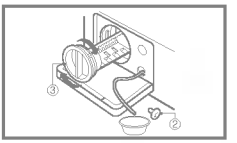
1. Open the lower cover cap (①) by using coin. Turn the drain plug (②) to pull out the hose.



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. If the water does not flow any more, turn the pump filter (③) open to the left.



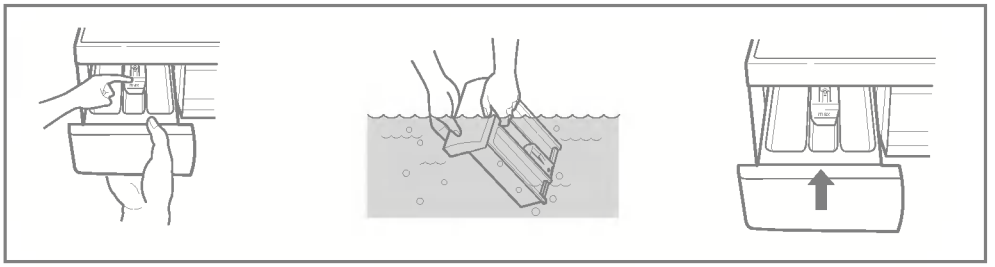
3. Take out any foreign material from the pump filter (③). After cleaning, turn the pump filter (③) clockwise and insert the drain plug (②)to the original place. close the lower cover cap.



■ Dispenser drawer

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

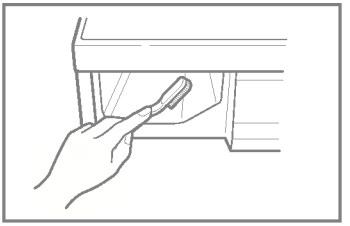
- It should be cleaned from time to time with a jet of running water.
- If necessary it can be removed completely from the machine by pressing the catch downward and by pulling it out.
- To facilitate cleaning, the upper part of the fabric softener compartment can be removed.



■ 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, calcic continuously builds up in places where it cannot be seen and it is not easily removed.
  Over time the build up of scale clogs appliances, and if it is not kept in check these will eventually 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 could contain components that can attack part of your washing machine.

❋ Remove the spots with a stainless steel cleaning agent.

❋ Never use steel wool.

■ 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 spirit, diluents or similar products.

2. Interior

Dry around the washer door opening, flexible gasket and door glass. These areas should always be clean to ensure a water tight seal.

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.

■ Winterizing instructions

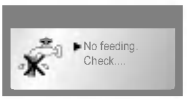
If the washer is stored in an area where freezing can occur or moved in freezing temperatures, follow these winterizing instructions to prevent damage to the washer:

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) nontoxic recreational vehicle(RV) antifreeze to empty wash drum. Close 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 drum interior, and close door.
7. Remove dispenser drawer. Drain any water in compartments and dry compartments. Replace drawer.
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.

* **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 call the Service Department.

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.
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. See Installation for removing transit bolts. Wash load unevenly distributed in drum. Stop washer and rearrange wash load.
Water leaks.	• Fill hose connection is 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? The formation of foam can cause 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 are kinked.	Straighten hose.
	• The filter of the inlet hose clogged.	Check the filter of the inlet hose.
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.

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.

Symptom	Possible Cause	Solution
1E 	• Water supply it not adequate in area • Water supply taps are not completely open. • Water inlet hose are kinked. • The filter of the inlet hose clogged.	Check another tap in the house. Fully open tap. Straighten hose. Check the filter of the inlet hose.
OE 	• 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 imbalance detection and correction system. If individual heavy articles are loaded bath mat, both robe, etc. this system may stop spinning or even interrupt the spin cycle altogether, if the imbalance is too great even after several spin starts. • 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.
tE		Unplug the power plug and call for service.
FE	• If the water overfills due to the faulty water valve, you will get "FE" display.	Close the water tap. Unplug the power plug. Call for service.
PE	• "PE"is displayed if the water level sensor malfunction.	
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.



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