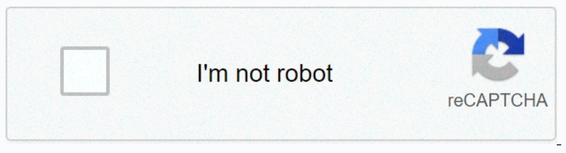
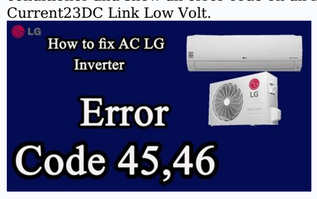


I'm not robot!

Lg smart inverter aircon error codes

Lg inverter air conditioner error codes. Lg smart inverter ac error codes. Lg smart inverter error codes. Lg air conditioner e6 error code.

Modern systems of the LG firm adjusting a temperature mode in premises are rather complex constructively. An error of any LG air conditioner can lead to the malfunctions, the removal of which will come at a high cost. Therefore, all the air conditioners are fit with a self-diagnostics device capable to block, in a case of faults, the operation of an air conditioner and show an error code on an internal block. These error codes can be decoded with help of the table below.LG AMNW07GDBL1 air error codesError CodeContentsLED01G/M (Red)LED02G/M (Green)case of ErrorOutdoor Status21DC Link Peak (IPM Fault)2times 31 times 3Over Rated CurrentOff22CT 2 (Max CT)2times 3Input Over Current23DC Link Low Volt.



DC Link High Volt.3times 3DC Link Volt is below 140Vdc DC Link Volt is above 420Vdc25Low Voltage/Over Voltage5times 3Abnormal AC Volt Input26DC Compressor Position Error6times 3Compressor Starting Fall Error27PSC/PFC Fault Error7times 3Over Inverter PCB input current29COMP Over Current9times 3Over Inverter Compressor Current32D-Pipe High3times 32times 3D-Pipe Temp. High35Low Pressure Error5times 3Excessive decrease of Low Pressure39Communication Error9times 3Communication Error Between PFC Micom and INV Micom40CT Sensor (Open/Short)4times 3oCT Circuit Malfunction41INV. D-Pipe Th Error1 times 3Open/Short43High Pressure Sensor Error3times 344Outdoor Air Th Error4times 345Cond. Mid-Pipe Th Error5times 346Suction Pipe Th Error6times 348Cond.

LG Air Conditioning - Universal Split Fault Codes Sheet

Outdoor Unit Faults can also be read from the outdoor unit PCB using the flashing LED's as below:

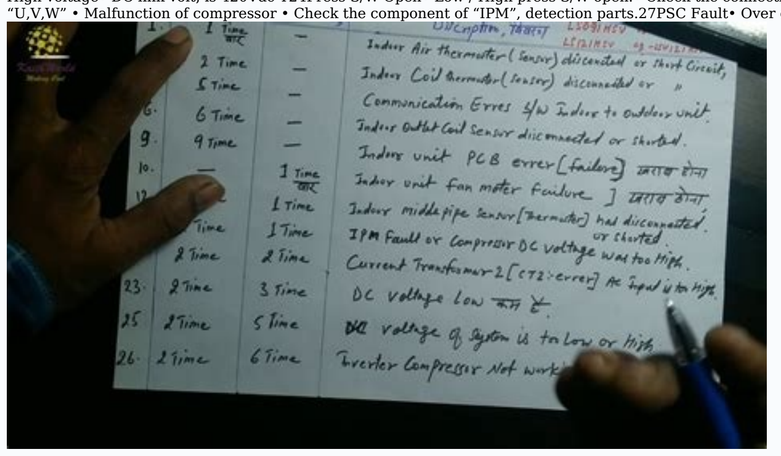
Error code	Contents	LED01G (Red)	LED02G (Green)	Case of Error	Outdoor Status
21	IPM Fault (Compressor Over current)	2 times	1 time	Compressor malfunction, IPM Fault	Off
22	CT 2 (Max. Current)	2 times	2 times	Current is 14A ↑	Off
23	DC Link Low Volt.	2 times	3 times	DC Link volt. Is 140V ↓	Off
24	Low / High Pressure	2 times	4 times	Low / High press switch OPEN	Off
25	AC Low / AC High Volts.	2 times	5 times	Abnormal AC volt. Input.	Off
26	DC Compressor Position	2 times	6 times		Off
27	PSC Fault (Reactor)	2 times	7 times		Off
28	DC Link High Volts	2 times	8 times	Off	Off
29	COMP Over Current	2 times	9 times	Inverter Compressor input current is over 30A	Off
32	Discharge Pipe Temp. High (INV)	3 times	2 times	D-Pipe Temp (Inv.) >105°C	Off
33	Discharge Pipe Temp. High (Cons.)	3 times	3 times	D-Pipe Temp (Const) >105°C	Off
39	Communication Error	3 times	9 times	Communication Error Between PFC and INV PCB's	Off
40	CT Circuit	4 times		CT Circuit malfunction	Off
41	D-Pipe sensor INV. (Open/Short)	4 times	1 time	Open / Short circuit.	Off
44	Air sensor (Open/Short)	4 times	4 times	Open / Short circuit	Off

Out-Pipe Th Error8times 351Capacity Over5times 31 times 3Over combination53Signal Error (Indoor <-> Outdoor)3times 3Communication Poorly543-Phase Wrong wiring4times 33-Phase Wrong Wring of Outdoor Unit (Reverse Phase/Omission of Phase)60EEPROM Check Sum Error6times 3oCheck Sum Mismatching61Cond. Pipe Th High1 times 3Cond. Temp. High62Heaksink Th High2times 3Heatsink Temp. High65Heaksink Th Error5times 3Open/Short67Outdoor BLDC Fan Lock7times 3Outdoor Fan is not operation73PFC Fault Error(SAN)7times 33times 3Over Current of Outdoor Unit PFCLG BNU-BAC air error codesFunction NameCodeDescriptionRead Coil Status01 hRun/Stop(status), Lock(status), Swing(status), Alarm, Filter Sign(status), Mode Lock(status), Wind Flow Lock(status)Read Holding Registers03hOperation Mode(status), Fan Speed(status), Room Temperature, Error Code,Set Room Temperature(status),Set Lower Temperature(status),Set Upper Temperature(status),User Mode(status)Force Single Coil05hRun/Stop(setting), Lock(setting), Swing(setting), Filter Sign Reset, Mode Lock(setting),Wind Flow Lock(setting)Preset Single Registers06hOperation Mode(setting), Fan Speed(setting), Set Room Temperature(setting),Set Lower Temperature(setting),Set Upper Temperature(setting),User Mode(setting)LG FM15AH UL3 Svc air error codesDisplay codeTitleCause of errorCheck point & Normal condition1Indoor air sensor• Open / Short • Soldered poorly • Internal circuit errorNormal resistor: 10KS2/ at 25°C (Unplugged) Normal voltage : 2.5Vdc / at 25°C (plugged)2Indoor inlet pipe sensor• Open / Short • Soldered poorly • Internal circuit errorNormal resistor: 5K£2/ at 25°C (Unplugged) Normal voltage : 2.5Vdc / at 25°C (plugged)6Indoor outlet pipe sensor3Communication Wired R/C• Open / Short • Wrong connection• Connection of wire • Main PCB Volt. DC 12V • Noise interference4Drain pump/Float switch• Float switch Open. (Normal: short)• The connection of wire(Drain pump/ Float switch) • Drain pump power input. (220V) • Drain tube installation. • Indoor unit installation. (Inclination)4/53Communication (Indoor ► Outdoor)• Communication poorly• Power input AC 220V. (Outdoor, Indoor) • The connector for transmission is disconnected. • The connecting wires are misconnected. • The GND1,2 is not connected at main GND. • The communication line is shorted at GND. • Transmission circuit of outdoor PCB is abnormal.

Indoor Unit error code

Display	LED STATUS
E0	EEPROM parameter error
E1	Communication malfunction between indoor and outdoor units
E2	Zero-crossing signal error
E3	Indoor fan speed out of control
E5	Open or short circuit of outdoor temperature sensor
E6	Open or short circuit of room or evaporator coil temperature sensor
P0	Inverter module protection
P1	Over voltage or too low voltage protection (<120V or >400V)
P2	Temperature protection of compressor top. (120/105 ℃)
P3	Outdoor temp. too low protection
P4	Inverter compressor drive error

• Transmission circuit of indoor PCB is abnormal.21DC Peak• Instant over current • Over Rated current • Poor insulation of IPM• An instant over current in the U,V,W phase – Comp lock – The abnormal connection of U,V,W • Over load condition – Overcharging of refrigerant – Pipe length. • Poor insulation of compressor22Max. C/TOver current (14A)Malfunction of compressor Blocking of pipe Low voltage input Refrigerant, pipe length, blocked,...40CfT Internal circuitInitial current errorMalfunction of current detection circuit. (Open / Short) The voltage of “C01N” Is 4.0Vdc(25A).23DC Link Low voltage.• DC link volt, is 140Vdc.• Check the power source. • Check the components.28DC Link High voltage• DC link volt, is 420Vdc T24Press S/W Open• Low / High press S/W open.• Check the connection of “CN_Press”. • Check the components.25Input voltage• Abnormal Input voltage• Check the power source. • Check the components. 26DC Compressor Position• Compressor position detect error• Check the connection of comp wire “U,V,W” • Malfunction of compressor • Check the component of “IPM”, detection parts.27PSC Fault• Over current at “IGBT”• Check the component of “IGBT”. • Check the components.32D-pipe (Inverter) temp, high (105°C t)• Discharge sensor (Inverter) temp, high• Check the discharge pipe sensor for INV.



• Check the install condition for over load. • Check the leakage of refrigerant. • Check the SVC V/V open.33D-pipe (Constant) temp, high (105°C I)• Discharge sensor (Cons.) temp, high• Check the discharge pipe sensor for Cons. • Check the install condition for over load. • Check the leakage of refrigerant. • Check the SVC V/V open.41D-pipe sensor (Inverter)• Open / Short • Soldered poorly • Internal circuit error• Normal resistor: 200K£2 / at 25°C (Unplugged) • Normal voltage : 4.5Vdc / at 25°C (plugged)44Air sensor• Normal resistor: 10K£2 / at 25°C (Unplugged) • Normal voltage : 2.5Vdc / at 25°C (plugged)45Condenser Pipe sensor• Normal resistor: 5K£2 / at 25°C (Unplugged) • Normal voltage : 2.5Vdc / at 25°C (plugged)46Suction Pipe sensor47D-pipe sensor (Constant)• Normal resistor: 200K£2 / at 25°C (Unplugged) • Normal voltage : 4.5Vdc / at 25°C (plugged)65Heat sink sensor• Normal resistor: 10K£2 / at 25°C (Unplugged) • Normal voltage : 2.5Vdc / at 25°C (plugged)51Over capacity• Over capacity Combination• Check the indoor unit capacity. • Check the combination table.60EEPROM Check sum• Check sum error• Check the PCB ASM P/No. • Check the poor soldering.61Condenser pipe sensor temp, high• Condenser pipe sensor detected high temp.(65°C)• Check the load condition. • Check the sensor of Condenser pipe sensor.62Heat sink sensor temp, high• Heat sink sensor detected high temp.(85°C)• Check the fan is locked. • Check the sensor of heat sink.5/53Title Communication (Indoor ► Outdoor)• Communication poorly• Power input AC 220V. (Outdoor, Indoor) • The connector for transmission is disconnected. • The connecting wires are misconnected. • The communication line is shorted at GND. • Transmission circuit of outdoor PCB is abnormal. • Transmission circuit of indoor PCB is abnormal.21DC PEAK (IPM Fault)• Instant over current • Over Rated current • Poor insulation of IPM• An instant over current in the U,V,W phase – Comp lock – The abnormal connection of U,V,W • Over load condition – Overcharging of refrigerant Pipe length. Outdoor Fan is stop • Poor insulation of compressorLG LP2525GXR air error codesSelf DiagnosisPossible CausesWhat To DoCode appears in the display. F1,F2 or F3Air conditioner is in FAN mode and the number shown is the set fan speed.This is normal. The air conditioner is working properly.FLThe water collection tank is full.Empty the water collection tank.CH01Short or open circuit in the indoor air thermistor.Unplug the air conditioner and contact your authorized LG service center.CH02(error solution ch02)LG LS090HSV4 air error codesError CodeDescriptionNo. of Times Indoor Unit LEDs BlinkLED1 (Plasma LED)LED2 (Power LED)1Indoor unit room temperature sensor error1X–2Indoor unit inlet pipe sensor error2X–4Float switch error (optional)4X–5Communication error between indoor unit and outdoor units–5X6Indoor unit outlet pipe sensor error6X–9Indoor unit EPROM error9X–10Indoor unit BLDC motor fan lock–1X12Indoor unit middle pipe sensor error2X21DC Peak (IPM Fault); Compressor DC voltage was too high22Current Transformed (CT2) error; Alternating current (AC) input too high2X23DC Link Low Volt3X25AC Low/High Volt5X26DC Comp Position Error (not providing rotation), Locking6X27PSC Fault; Current to inverter compressor between AC and DC converter circuit too high7X28Inverter compressor DC voltage is too high8X29Inverter compressor amperage is too high9X31Current-to-current transformer (CT) thermistor is too low3X1X32Inverter Compressor Discharge Pipe (D-Pipe) Overheat2X40CT Sensor Error; Thermistor is disconnected or shorted out4X–41D-Pipe Sensor INV is disconnected or shorted out1X44Outdoor Air Sensor is disconnected or shorted out4X45Middle thermistor of outdoor unit condenser coil is disconnected or shorted out5X46Outdoor unit suction line thermistor is disconnected or shorted out6X48Outdoor unit coil outlet (liquid line) thermistor is disconnected or shorted out8X53Communication failure from outdoor unit to indoor unit5X3X60Outdoor unit printed circuit board (PCB) EPROM check sum error6X–61Outdoor unit condenser coil temperature is too high1X62Outdoor unit inverter compressor PCB heat sink temperature is too high2X63Condenser coil pipe thermistor temperature is too low3X65Heat sink thermistor has disconnected or has shorted out5X67Outdoor brushless direct current (BLDC) fan motor lock error7X The rich text element allows you to create and format headings, paragraphs, blockquotes, images, and video all in one place instead of having to add and format them individually. Just double-click and easily create content.Static and dynamic content editingA rich text element can be used with static or dynamic content. For static content, just drop it into any page and begin editing. For dynamic content, add a rich text field to any collection and then connect a rich text element to that field in the settings panel. Voila!How to customize formatting for each rich textHeadings, paragraphs, blockquotes, figures, images, and figure captions can all be styled after a class is added to the rich text element using the "When inside of" nested selector system.