

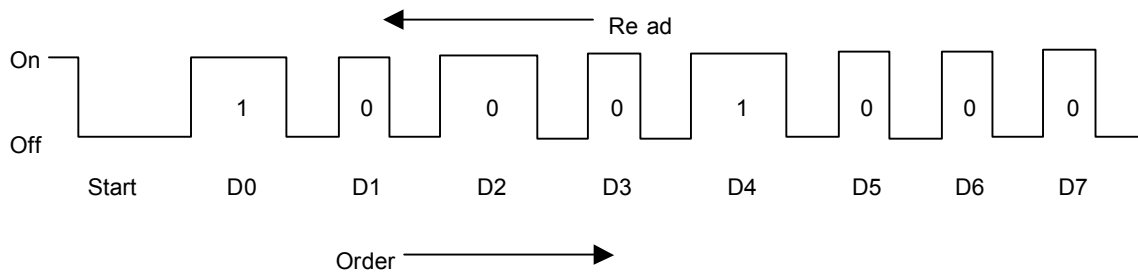
Procedure 2 Error Code Check

If the power supply microprocessor detects a malfunction, the DC IN icon blinks orange. The blink pattern indicates an error as shown below.

- Start Off for 2 seconds
- Error code (8 bit)
 - “1” On for one second
 - “0” On for half second
- Interval between data bits On for half second

The error code begins with LSB (Least Significant bit)

Example: Error code 11h (Error codes are given in hexadecimal format.)



Check 1 Convert the DC IN icon blink pattern into the hexadecimal error code and compare it to the tables below. Then go to Check 2.

- DC power supply (AC adapter)

Error code	Meaning
10h	AC Adapter output voltage is over 16.5V.
11h	Commodock output voltage is over 16.5V.
12h	Current from the DC power supply is over 4.95A.
13h	Current from the DC power supply is over 0.5A when there is no load.
14h	Abnormal current has been sensed 0[A].

- Main Battery

Error code	Meaning
20h	Over voltage is detected.
21h	Main battery charge current is over 4.95A.
22h	Main battery discharge current is over 0.5A when there is no load.
23h	Main battery charge current is over 2.3A.
24h	Abnormal current has been sensed 0[A].
25h	Main battery charge current is over 0.3A.

Second Battery

Error code	Meaning
30h	Over voltage is detected.
31h	Main battery charge current is over 4.95A.
32h	Main battery discharge current is over 0.5A when there is no load.
33h	Main battery charge current is over 2.3A.
34h	Abnormal current has been sensed 0[A].
35h	Main battery charge current is over 0.3A.

S3V output

Error code	Meaning
40h	S3V voltage is 3.14V or less when the computer is powered on/off.
45h	S3V voltage is 3.14V or less at power-on (CV support)

1R5-C1 output

Error code	Meaning
50h	1R5-C1 voltage is over 1.80V when the computer is powered on/off.
51h	1R5-C1 voltage is 1.275V or less when the computer is powered on.
52h	1R5-C1 voltage is 1.275V or less when the computer is booting up.
53h	1R5-C1 voltage is 1.275V or less while the computer is suspended.
54h	1R5-C1 voltage is abnormal during shutdown (CV support)
55h	1R5-C1 voltage is 1.275V or less at power-on (CV support)

1R8-C1 output

Error code	Meaning
60h	1R8-C1V voltage is over 2.16V when the computer is powered on/off.
61h	1R8-C1V voltage is 1.53V or less when the computer is powered on.
62h	1R8-C1V voltage is 1.53V or less when the computer is booting up.
63h	1R8-C1V voltage is 1.53V or less while the computer is suspended.
64h	1R8-C1V voltage is abnormal during shutdown (CV support)
65h	1R8-C1V voltage is 1.53V or less at power-on (CV support)

PPV output

Error code	Meaning
70h	PPV voltage is over 1.80V when the computer is powered on/off.
71h	PPV voltage is 0.56V or less when the computer is powered on.
72h	PPV voltage is 0.56V or less when the computer is booting up.
73h	PPV voltage is 0.56V or more when the computer is powered off.

 PGV output

Error code	Meaning
80h	PGV voltage is over 1.92V when the computer is powered on/off.
81h	PGV voltage is 0.68V or less when the computer is powered on.
82h	PGV voltage is 0.68V or less when the computer is booting up.
83h	PGV voltage is 0.68V or more when the computer is powered off.

 E5V output

Error code	Meaning
90h	E5V voltage is over 6.00V when the computer is powered on.
91h	E5V voltage is 4.50V or less when the computer is powered on.
92h	E5V voltage is 4.50V or less when the computer is booting up.
93h	E5V voltage is 4.50V or less when the computer is powered off.
94h	E5V voltage is 4.50V or less while the computer is suspended.

 E3V output

Error code	Meaning
A0h	E3V voltage is over 3.96V when the computer is powered on.
A1h	E3V voltage is 2.81V or less when the computer is powered on.
A2h	E3V voltage is 2.81V or less when the computer is booting up.
A3h	E3V voltage is 2.81V or less when the computer is powered off.
A4h	E3V voltage is 2.81V or less while the computer is suspended.

1R2-P1V output

Error code	Meaning
B0h	1R2-P1V voltage is over 1.44V when the computer is powered on.
B1h	1R2-P1V voltage is 1.02V or less when the computer is powered on.
B2h	1R2-P1V voltage is 1.02V or less when the computer is booting up.
B3h	1R2-P1V voltage is 1.02V or less when the computer is powered off.
B4h	1R2-P1V voltage is 1.02V or less while the computer is suspended.

PTV output

Error code	Meaning
C0h	PTV voltage is over 1.426V when the computer is powered on.
C1h	PTV voltage is 0.89V or less when the computer is powered on.
C2h	PTV voltage is 0.89V or less when the computer is booting up.
C3h	PTV voltage is 0.89V or less when the computer is powered off.
C4h	PTV voltage is 0.89V or less while the computer is suspended.

1R25-B1V output

Error code	Meaning
D0h	1R25-B1V voltage is over 1.50V when the computer is powered on.
D1h	1R25-B1V voltage is 1.063V or less when the computer is powered on.
D2h	1R25-B1V voltage is 1.063V or less when the computer is booting up.
D3h	1R25-B1V voltage is 1.063V or less when the computer is powered off.
D4h	1R25-B1V voltage is 1.063V or less while the computer is suspended.

2R5-B2V output

Error code	Meaning
E0h	2R5-B2V voltage is over 3.00V when the computer is powered on.
E1h	2R5-B2V voltage is 2.125V or less when the computer is powered on.
E2h	2R5-B2V voltage is 2.125V or less when the computer is booting up.
E3h	2R5-B2V voltage is 2.125V or less when the computer is powered off.
E4h	2R5-B2V voltage is 2.125V or less while the computer is suspended.

Check 2 In the case of error code 10h or 12h:

- Make sure the AC adapter and AC power cord are firmly plugged into the DC IN 15 V socket and wall outlet. If the cables are connected correctly, go to the following step:
- Connect a new AC adapter and AC power cord. If the error still exists, go to Procedure 5.

Check 3 In the case of error code 21h:

- Go to Procedure 3.

Check 4 For any other errors, go to Procedure 5.