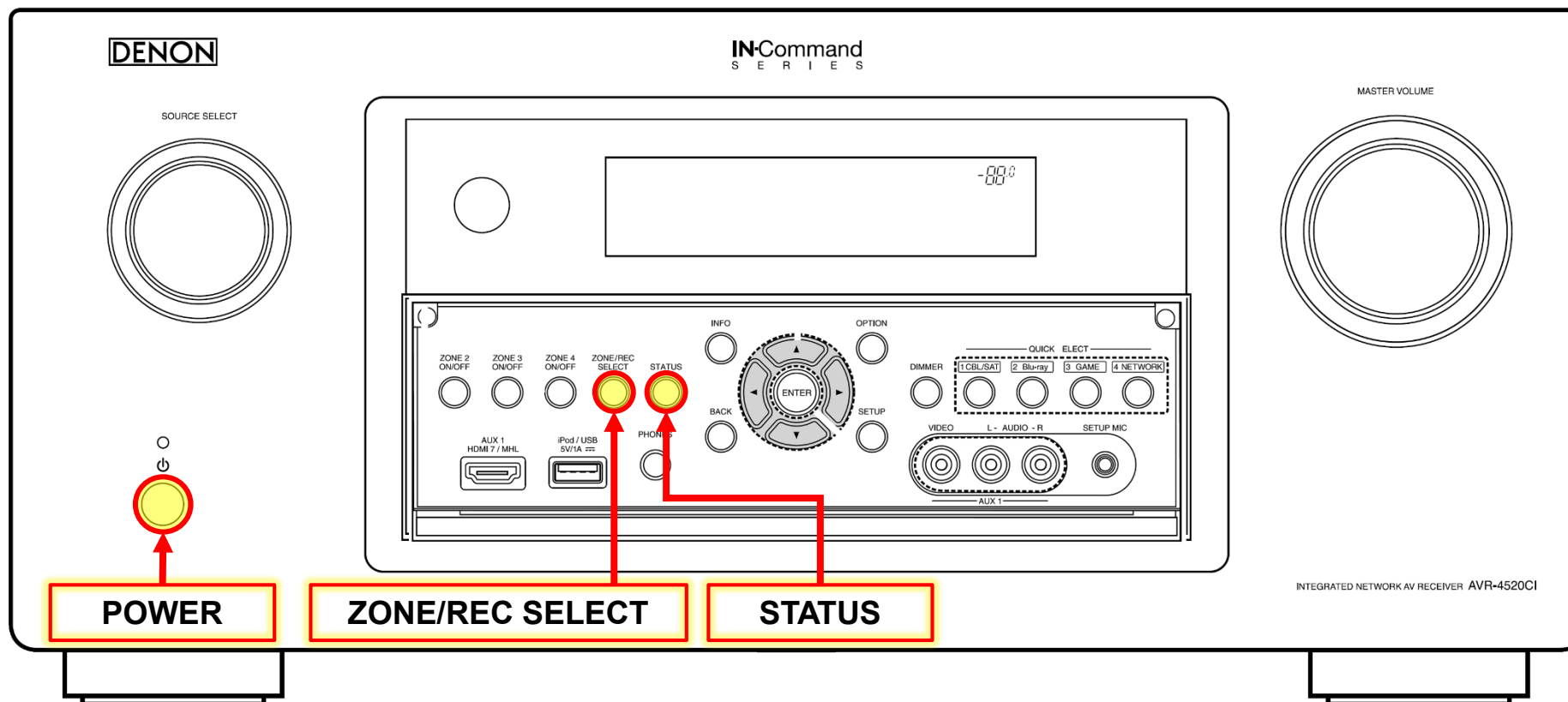


Protection History Mode records and displays an event in which the THERMAL, CURRENT, ASO or DC protection was activated.



Procedure to enter the “Protection History Display Mode”.

1. To enter the “Protection History Display Mode”, the unit has to be set to “**Service Related Selection Mode**” first.
2. Press and hold the “**ZONE/REC SELECT**” and the “**STATUS**” buttons at the same time and press the “**POWER**” button to turn on the power.
3. The unit enters the “**Service Related Selection Mode**” (Diagnostic Mode/Service Check, Protection History Display, or RS232C Reset) and “**SERVICE CHECK**” is first displayed.

Press the “**CURSOR ▼▲**” button to switch modes and press the “**ENTER**” button when “**Protection History Display Mode**” is displayed.

Press the “**STATUS**” button to display Protection History.

1. If no protections have occurred, “No Protect” is displayed	<table><tr><td rowspan="2">FLD</td><td>L1</td><td>P</td><td>R</td><td>O</td><td>T</td><td>E</td><td>C</td><td>T</td><td></td><td>H</td><td>I</td><td>S</td><td>T</td><td>O</td><td>R</td><td>Y</td><td></td></tr><tr><td>L2</td><td>:</td><td>N</td><td>O</td><td></td><td>P</td><td>R</td><td>O</td><td>T</td><td>E</td><td>C</td><td>T</td><td></td><td></td><td></td><td></td><td></td></tr></table>	FLD	L1	P	R	O	T	E	C	T		H	I	S	T	O	R	Y		L2	:	N	O		P	R	O	T	E	C	T					
FLD	L1		P	R	O	T	E	C	T		H	I	S	T	O	R	Y																			
	L2	:	N	O		P	R	O	T	E	C	T																								
2. If last protection was ASO, “ASO” is displayed.	<table><tr><td>FLD</td><td>L2</td><td>:</td><td>A</td><td>S</td><td>O</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>	FLD	L2	:	A	S	O																													
FLD	L2	:	A	S	O																															
Cause: A short circuit occurred between the speaker terminals, or speakers with an impedance outside the rating were connected.																																				
3. If the last protection was DC, “DC” is displayed.	<table><tr><td>FLD</td><td>L2</td><td>:</td><td>D</td><td>C</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>	FLD	L2	:	D	C																														
FLD	L2	:	D	C																																
Cause: DC output of the power amplifier is abnormal. If the power is turned on during this abnormality, protection is activated after around 5 seconds and the power is turned off.																																				
4. If the last protection was THERMAL “THERMAL” is displayed.	<table><tr><td>FLD</td><td>L2</td><td>:</td><td>T</td><td>H</td><td>E</td><td>R</td><td>M</td><td>A</td><td>L</td><td></td><td>*</td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>	FLD	L2	:	T	H	E	R	M	A	L		*																							
FLD	L2	:	T	H	E	R	M	A	L		*																									
Cause: Abnormal heat sink and temperature. If the power is turned on during this abnormality, protection is activated after around 5 seconds and the power is turned off.																																				
If the last protection was CURRENT “CURRENT” is displayed.	<table><tr><td>FLD</td><td>L2</td><td>:</td><td>C</td><td>U</td><td>R</td><td>R</td><td>E</td><td>N</td><td>T</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>	FLD	L2	:	C	U	R	R	E	N	T																									
FLD	L2	:	C	U	R	R	E	N	T																											
Cause: Continuous and abnormal output is detected while using speakers with multiple channels. If the power is turned on without correcting the abnormality, the protection function will work about 1 minute later and the power supply will be shut off.																																				

FLD	Fluorescent Display
L1	Line 1
L2	Line 2

Caution: These protections may also be activated due to causes such as disconnection of connectors or operations around the microcomputer.
If the power is turned on during this abnormality, protection is activated after around 5 seconds and the power is turned off.
When the "STATUS" button is pressed again after the above protection history as shown above is displayed, the normal display reappears.(

Clearing the Protection History

If the unit is in "Protection History Display Mode", just press and hold the **"ENTER"** button for 3 seconds. **Note:** If you do not mind erasing your settings from this unit, you can also "Initialized/Micro Reset the unit to clear the Protection History from the unit's memory.

If the unit is not in "Protection History Display Mode", enter the **"Protection History Display Mode"**:

1. To enter the "Protection History Display Mode", the unit has to be set to **"Service Related Selection Mode"** first.
2. Press and hold the **"ZONE/REC SELECT"** and the **"STATUS"** buttons at the same time and press the **"POWER"** button to turn on the power.
3. The unit enters the **"Service Related Selection Mode"** (Diagnostic Mode/Service Check, Protection History Display, or RS232C Reset) and **"SERVICE CHECK"** is first displayed.

Press the **"CURSOR ▼ ▲"** button to switch modes and press the **"ENTER"** button when **"Protection History Display Mode"** is displayed.

Press the **"STATUS"** button to display Protection History.

Press and hold **"ENTER"** for 3 seconds.

FLD	L1	P	R	O	T	E	C	T		H	I	S	T	O	R	Y	
	L2	:	T	H	E	R	M	A	L		A						

Press and hold **"ENTER"** for 3 seconds and **"CLEAR"** is displayed followed by **"NO PROTECT"**. The unit's Protection History is now cleared.

FLD	L2	:						C	L	E	A	R					
FLD	L2	:	N	O			P	R	O	T	E	C	T				

Warning Displays by POWER LED

If the power is turned off while a protection is detected, the POWER LED (red) flashes in the following ways as a warning according to the protection status.

- (1) ASO/DC protection: Flashes in 0.5-second cycles (0.25 seconds lit, 0.25 seconds unlit)
- (2) THERMAL (A/B) protection: Flashes in 2-second cycles (1 seconds lit, 1 seconds unlit)
- (3) CURRENT PROTECTION : Flashes at intervals of 4 seconds (2 second lit, 2 second off)

