

SONY

Hi-Fi Products
Service Bulletin

Sony Service Company Technical Services
A Division of Sony Corporation of America
Sony Drive, Park Ridge, New Jersey 07656

Model: STR-AV910/AV1010

No. 118

Subject: Operational Check of Surround
Sound Feature

Date: April 26, 1990

Symptom:
(222)

The following procedure is to be done when a customer brings in a unit complaining of no Surround Sound function during FM. It will enable you to locate the problem as being either in the Tuner section, or in the Surround Sound section. It is also a good way to check for proper adjustment of the Surround Sound output level.

- Solution:**
1. Set unit to the CD mode and input a 1KHz, -24db test tone.
 2. Front speakers "A" CN, Surround speaker level on MAX.
 3. Surround delay ON and set to center or "M" setting.
 4. Measure output from the Surround speakers. The output should fall within the range shown below for each mode.

Surround Mode	Surround Level	Front Level
HALL	+20.5 \pm -3db	-----
LIVE	+15.5 \pm -3db	+21.0 \pm -3db
STADIUM	+9.0 \pm -3db	-----
SIMULATED	+7.0 \pm -3db	-----
DOLBY	+15.5 \pm -3db	-----

If the output falls within the specified range, the problem is probably with the tuner section. The FM alignment procedure in the service manual should then be followed. If the output does not meet the specifications above, check the Surround Sound processor IC.