

First there was mono.  
Then there was stereo.

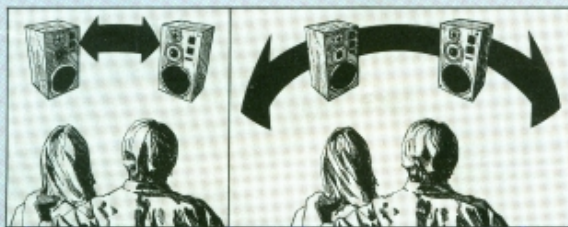
Now Yamaha brings you  
a new dimension in sound.



## The R-2000 receiver featuring

Now Yamaha takes you a giant step closer to the excitement of live music. The new R-2000 receiver goes beyond ordinary stereo to re-create the full depth, presence and excitement of actually being at a live performance. It's the top of the line of our new R-Series receivers; each designed to bring you pure, accurate musical reproduction. Sound to please the most discriminating audiophile—and features to please the most sophisticated music lover.

The Spatial Expander recreates the feel of a live performance.



Normal stereo sound field. Stereo sound field with Spatial Expander.

Normal stereo is limited to the space between two speakers. Yamaha's Spatial Expander extends the sound field out beyond the speakers. This wider sound stage re-creates the ambience and spaciousness of a live performance. There is more space between musicians, more depth and richness to the overall sound. You get the feeling of live sound without the expense of adding extra speakers or amplifiers. The Spatial Expander works with any good stereo source material. Phono, FM or tape. For the first time you can enjoy the feeling of sitting front row center at your favorite concert.

**X-Amplifier for more power and cleaner sound.**

The R-2000 with our new X-Amplifier is more efficient and

more faithful to music than any receiver we've ever built. The circuit design evolved from the nature of music itself. We discovered that true musical crescendos, which require full amplifier power, occur only about 2% of the time. Conventional amplifier designs operate at full power *all* of the time in anticipation of those loud musical passages. The remaining 98% of the time, full power isn't required. That means conventional designs waste electricity and produce huge amounts of heat—which shortens component life.

The new Yamaha X-Amplifier works at low power most of the time. A unique (patent pending) comparator circuit switches the amplifier to high power when a loud passage is detected, and back to low power when the peak has passed.

As a result, the amp runs significantly cooler than conventional designs, which measurably increases component life.

And the X-Amplifier of the new R-2000 is the most powerful we've ever built into a receiver. It delivers 150 watts RMS per channel with 0.015% THD, at 8 ohms from 20 to 20,000 Hz. So the new X-Amplifier will easily handle the wide dynamic range of the newest digital and direct-to-disc recordings.

**Yamaha's R-Receivers bring you sophisticated features and unparalleled convenience.**

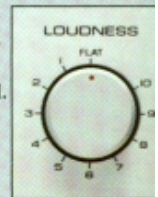
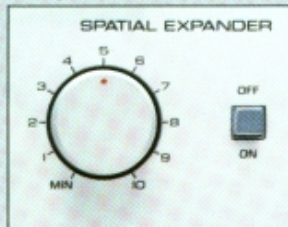
**Continuously variable loudness control.**

At low levels, music sounds like it's missing something. That's because at low volume your ear loses its ability to hear high and low frequencies.

Most "loudness" controls compensate for this by boosting the high and low frequencies. This can lead to increased distortion. Yamaha found a smoother way. By suppressing the mid-range. And unlike everybody else, we let you adjust the *amount* of loudness compensation to suit your taste. So at low listening levels you get full, balanced sound without distortion.

**Auto phono.**

Now you can have continuous music without getting up to switch sound sources. For example, you can set the R-2000 to a favorite FM station. Then, you can put on a record and the receiver will automatically switch to the phono mode. Once the record is over, the receiver automatically switches back to your



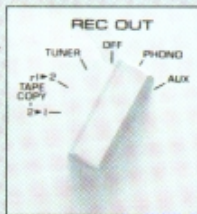


# Yamaha's new Spatial Expander.

favorite station. You're never without sound.

### The Record Out function.

With Yamaha's independent Record Out, you can record from any source (tuner, tape, phono) while listening to any other. You can also feed a separate, different signal to a second amplifier and speakers in another part of your home. So you can have two complete home music systems for just the price of an extra amplifier and speakers.



### Station-locking tuning.

Quartz-locked tuning is accurate. But quartz tuning circuits have an internal frequency oscillator which generates RF signals. These signals can be picked up by the tuner and be mixed with the regular audio signal to cause distortion. To solve this problem, Yamaha engineers



developed a unique microprocessor chip with a memory. It stores the exact tuning location of every AM and FM station. When you tune a Yamaha receiver, the microprocessor produces exactly the frequency you're looking for instantly...from its memory. Tuning is 100% accurate. All you get is clean music.

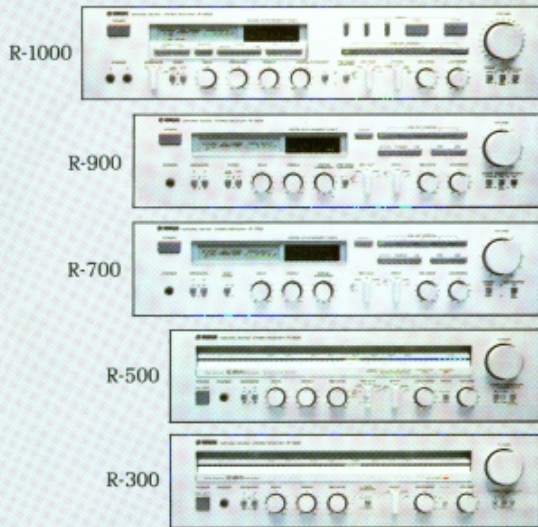
### Pushbutton tuning.

The Yamaha R-2000 virtually tunes itself. At the push of a button, the tuning circuitry quickly sweeps the band in the direction you desire. The receiver locks automatically onto the next station - perfectly. You can also pre-select seven FM and seven AM frequencies for instant access to your 14 favorite stations.

We could go on. But hearing is believing. There are six completely new R-Series receivers. Each step up brings

more power, convenience and versatility. All feature the accurate, musical sound quality for which Yamaha has become world-renowned. And naturally, every Yamaha product is backed by a nationwide network of Preferred Customer Service Centers. The new R-Series receivers will make a dramatic improvement in the enjoyment and realism you get from your home music system. Truly the next step in sound from Yamaha.

For more information, write to: Yamaha Audio, P.O. Box 6600, Buena Park, CA 90622.



CIRCLE NO. 46 ON READER SERVICE CARD