

GETTING THE MOST FROM YOUR SONTRONICS SATURN



- **Getting started:** Connect your XLR cable to your preamp or mixing console then turn on the phantom power. SATURN will only operate with phantom power. Next, adjust the gain to the required level and you are ready to go!
- **Pickup patterns:** SATURN has multiple pickup or polar patterns. By moving the selector wheel left or right, you can select any of the FIVE patterns (see below), and whichever pattern you have chosen will be indicated by the blue LED above the icon.
 - > OMNIDIRECTIONAL receives sound pressure equally from all directions. This pattern is useful for accurately recording ambient or room sounds. It is also useful for producing a natural-sounding stereo recording.
 - > SUBCARDIOID combines an extended low frequency response (compared to cardioid) with the wider off-axis side response of omnidirectional to produce a 'warmer' tone.
 - > CARDIOID receives greater sound pressure from the front, less at the sides and provides strong rejection from the rear. Microphones with this pattern are referred to as 'pressure-gradient' and will exhibit stronger low frequencies the closer you get to the capsule. This phenomenon is called the 'proximity effect' and can be used creatively in the recording process. Read more about it on the ADVICE page at www.sontronics.com
 - > HYPERCARDIOID receives similar sound pressure to cardioid but the pickup is 'squeezed' to produce a more narrow and focused pattern, with a small pickup at the rear of the microphone.
 - > FIGURE-OF-EIGHT is a bi-directional pickup, receiving sound pressure at the front and rear but reducing to full rejection at both sides. This pattern can be used to record a voice or an instrument with added room ambience since sound also arrives at the rear of the microphone, 180° out of phase to the front. Effective results of simultaneously recording two voices or instruments can also be achieved if each musician is placed opposite the other, to the front and rear of the mic. Stereo recording formats such as X/Y (Blumlein) and MS can be achieved when combining SATURN with another figure-of-eight or cardioid microphone.
- **High-pass filter switch:** SATURN has two high-pass filters. The 75Hz position filters out frequencies below 75Hz in a 12dB/octave slope. This can be useful for removing 'rumble' and ambient low frequencies if you're recording in a location that is not acoustically isolated from such sounds. The 125Hz position filters out frequencies below 125Hz in a 12dB/octave slope. This can be used effectively when recording acoustic guitars by helping to remove the 'boominess' and provide a more focused reproduction.
- **Attenuation (pad) switch:** SATURN has two attenuation or pad positions to help reduce overloading of the internal circuit when using the mic to capture sources with high SPLs (Sound Pressure Levels). Depending on the source, when necessary, select -10dB or -20dB. Read more on the ADVICE page at www.sontronics.com
- **Applications:** SATURN has been developed to provide outstanding results in all mono and stereo recording applications, for example, male and female vocals, spoken word, acoustic and amplified instruments, drums and percussion, brass, woodwind and ambient/room recording. Of course, if you find SATURN produces great results on any other instruments or sources, please let us know!