

The following accessories are for the Xantrex Trace™-brand SW and PS Series inverters.

SWCA Communications Adapter



Although small, the SWCA Communications Adapter is more than just a connector hood. A tiny microprocessor inside the hood transforms the proprietary signals on the inverter's "Remote" DB-25 connector into RS-232 signals which allow a PC to communicate with the inverter.

The SWCA comes with a 25-foot modular connectorized cable, a 9-pin PC serial port adapter and the DOS-based SWCPS (control panel emulation software). When ordered from us we include *WinVerter-Control*, our Windows-based control panel emulation software. This adapter is required by all *WinVerter* software.

The SWCA Communications Adapter is manufactured by Xantrex.

SWCA Surge Protector



The *SWCA Surge Protector* helps protect the SWCA Communications Adapter from electrical surges caused by static discharge or nearby lightning strikes. Some users who have not had the protection of the *Surge Protector* have experienced failure of their SWCA due to power surges passed to the SWCA via their computer. The *SWCA Surge Protector* helps ensure that voltages at the SWCA are limited to a level that prevents damage.

The *SWCA Surge Protector* wires in series with the SWCA's 4-wire modular cable. The 10 gauge stranded ground wire is connected to the same ground as the inverter so that voltage clamping is referenced to the inverter itself.

The *SWCA Surge Protector* is manufactured exclusively by RightHand Engineering.

NOTE: This device does not help protect the inverter or the connected computer from surges. It is strongly recommended that you install surge protection on all AC and DC connections of your inverter and your computer. Also, this device will not guarantee protection from a direct lightning hit which will greatly exceed the SWCA Surge Protector's ability to absorb energy. Xantrex does not warrant equipment damaged due to acts of God such as lightning strikes.

SWMA Memory Adapter



The *SWMA Memory Adapter* provides backup power to the inverter's memory circuitry so that when power is disconnected, the inverter's Setup Menu parameters are retained. Without the *Memory Adapter*, removal of AC and DC power causes the volatile memory containing the 45 operating parameters to revert to the factory default settings.

The *SWMA* consists of a backup-battery container and a power converter that plugs into the inverter's 25-pin "Remote" connector. The battery container matches the finish of the inverter and holds 4 alkaline "D" cells (not included). It is permanently wired to the power converter with length sufficient to locate the battery container on either end of the inverter. The power converter changes the backup battery voltage to the voltage required by the inverter's internal circuitry, and it senses low-battery voltage. When the backup battery voltage drops too low a LED on the converter starts blinking as a reminder to change the "D" cell batteries. The power converter also provides a 25-pin pass-through connector so that the SWCA or SWRC may be connected at the same time as the *SWMA*.

A fresh set of good quality alkaline cells will power the inverter memory for up to 14 days. Attachment of accessories such as the SWCA or SWRC may reduce this time.

The *SWMA Memory Adapter* is manufactured exclusively by RightHand Engineering. Its design is sanctioned and approved by Xantrex for use with their Trace-brand SW and PS Series inverters.

SWCA Splitter



The Xantrex Trace SWCA Communications Adapter is designed to support up to 8 units sharing a single PC RS-232 serial communications port. When an installation has multiple or stacked inverters this cuts down on the number of separate RS-232 serial ports needed on the connected PC.

The *SWCA Splitter* has a 16 foot cord and provides a convenient means of connection up to 5 SWCAs together. Although it looks like a standard telephone line splitter, it has special internal wiring that prevents the sharing of circuit voltage between inverters, which can cause inverters to falsely read their battery bank voltage. The *SWCA Splitter* can be used in combination with the *SWCA Surge Protector*.