Section :	Field

In the field, the OMNI system may be installed as a permanent data/health center for the array or used as a mobile device during the station tours. In both cases, no particular setup is required. The Osiris Dynamic Routing system automatically detects stations and the user is asked to move the station in already defined groups or to create a new group for the new station (refer to section A/10 Interface/Association).

Using OMNI for station tours
The first step when visiting a station using OMNI is to connect the device running OMNI and the station. Make sure that both the OMNI system and the station are running, then connect the ethernet cable or the wireless interfaces (or even PPP interface on phone line or local link).

When OMNI detects the station, the station tile is updated in the supervisor and station pages (times of last data and last information is reduced). The process loop is immediately started, OMNI collects information data, error logs, journal files and build the history plots. After a few minutes a complete diagnostic of the station health state can be read from OMNI. This includes the estimation of the remaining external power and time before filling the storage device (refer to section A/04 Interface/StationTile). The user should simply check that nothing is red on the station page and have a look at the history plots to control the evolution of the key parameters of the station.
Note that the update of the history plots is the last task OMNI performs during the main monitoring loop. If some data requests have been prepared before the station tour, they are processed by OMNI. Depending on the number of requests, this may make the monitoring operation longer.

Summary :
1/ connect OMNI to the station/array
2/ wait a few minutes for the history plots to be updated
3/ check/fix errors and potential problem reported by OMNI (change the battery, the disk, move the GPS receiver etc.). Refer to the table in section A/11 (Usage/Alerts) to correct problems.