



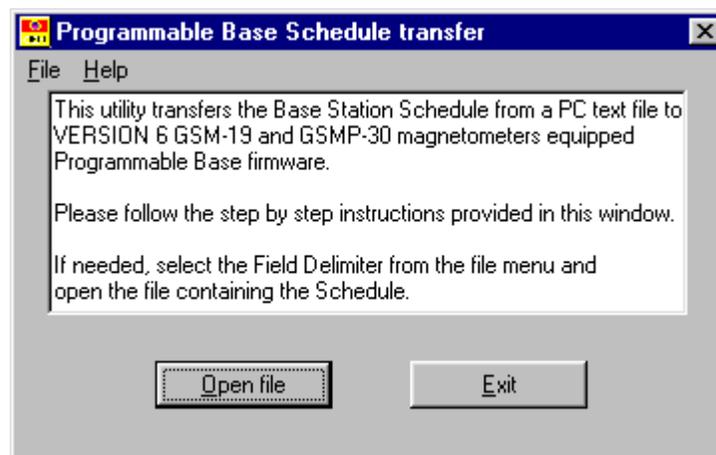
Press Release. Programmable Base Station

GEM's base station units were upgraded to enable remote programming via either a Personal Computer or the base station unit itself. The main benefits are more efficient use of memory and batteries while in the field. For example, a base station can be pre-programmed and left in the field for a month or more of operation – minimizing the in-field maintenance and support of base station units on either airborne or ground surveys.

3 programming modes are provided:

- **Daily scheduling** (define working hours and minutes each day). This mode provides economy of memory and battery usage on a daily basis.
- **Flexible scheduling** (set up to 30 on / off periods). Simply define a series of on / off periods and the base station will enable / disable itself according to your airborne or ground survey specifications. This mode provides the greatest flexibility for longer surveys where operators who may be in the field for a month or more, and who do not want to schedule their base station daily or leave it running continuously.
- **Immediate start.** This mode is the traditional mode of starting a base station unit and leaving it until the field operator returns to physically turn-off the unit.

As shown in the following image, base stations can be programmed remotely via Personal Computer – providing a time-savings in data entry and system setup.



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GEM Systems delivers magnetometers and gradiometers with built-in GPS for accurately-positioned ground, airborne and stationary data acquisition. Key products include the QuickTracker Proton Precession™, Overhauser and SuperSenser™ Optically-Pumped Potassium instruments. Each system offers unique benefits in terms of sensitivity, sampling rates and acquisition of high-quality data. These core benefits are complemented by GPS technologies that provide positioning accuracy to metre or sub-metre resolution depending on geophysical survey requirements.

In addition to almost 30 years history of innovation in design and manufacturing, GEM is known for its customer support and responsiveness. The company is headquartered in Markham, Canada and maintains a strong network of global agents and representatives, including an active interest in Terraplus Inc. – a leading global supplier of geophysical instrumentation systems.

For more details, visit www.gemsys.ca.