

SMARTem24

Induced Polarisation and Resistivity

SMARTem24 IP functionality:

- IP software is a standard deliverable with SMARTem24
- 16-channel external break-out box includes option for two separate lines
- Automated receiver dipole impedance measurement
- Operates with synchronous and asynchronous transmitters
- Automated array setup and move functionality
- Configurable time windows
- Colour pseudosection and plan display of a chosen parameter
- Noise statistics in real time
- Generation of effective phase and Cole-Cole parameters
- Plan and pseudosection display the spread being used
- Sample rate 1200 Hz for storage of raw and stacked time series

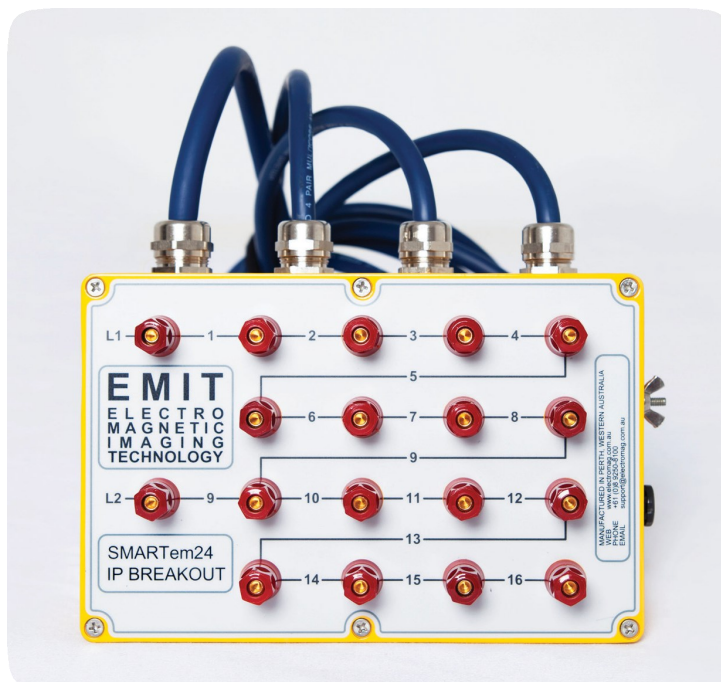
SMARTem24 Receiver:

- 16 high-fidelity input channels with 24-bit ADCs
- GPS synchronisation of transmitters and multiple receivers
- Powerful signal processing
- Time series recording
- PC functionality with tablet touch screen
- Daylight readable colour screen
- Large HDD for storage
- GPS location and navigation
- Rugged and light weight
- Internal battery capacity to run for 10+ hours and hot-swap batteries
- Control a range of transmitter types directly from SMARTem24 Receiver or Transmitter Controller



SMARTem24 Receiver including IP software as standard

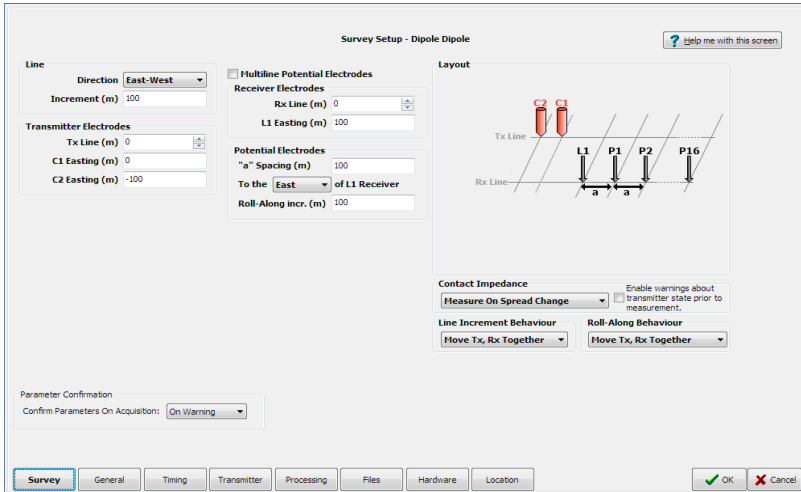
‘Powerful, 16-channel
system for **high-fidelity**
time series IP data’



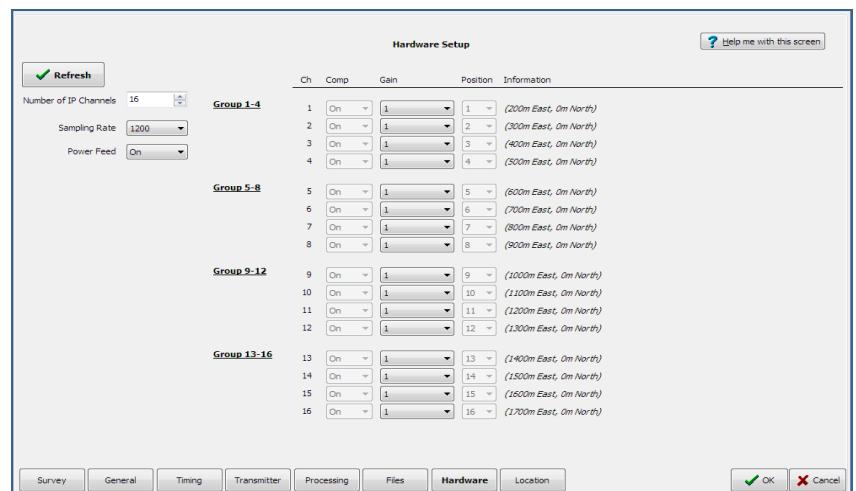
SMARTem24 16-channel IP Breakout Box

Adding to the power of the SMARTem24 Receiver EMIT presents Induced Polarisation capability. This advanced geophysical system delivers superior signal processing, time-series recording

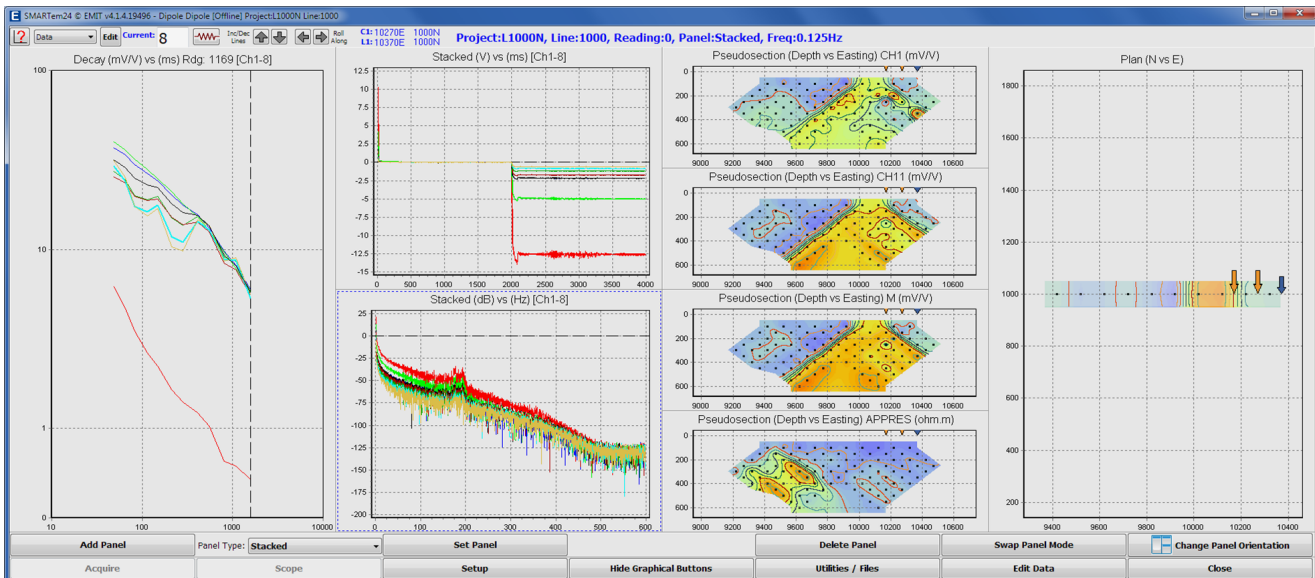
and graphic interfaces to the collection and processing of IP and resistivity data. The result is high-fidelity data in challenging environments.



Survey Setup screen for SMARTem24 IP software



Hardware Setup screen for SMARTem24 IP software



Decay, Stacked, Stacked - Spectra, Pseudosections and Plan panels as viewed during the survey