

IRIS INSTRUMENTS



Switch Plus

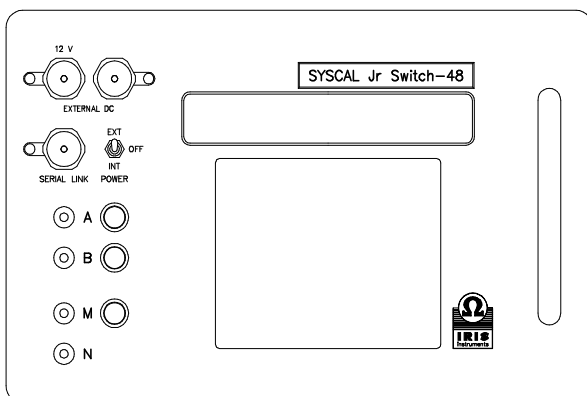
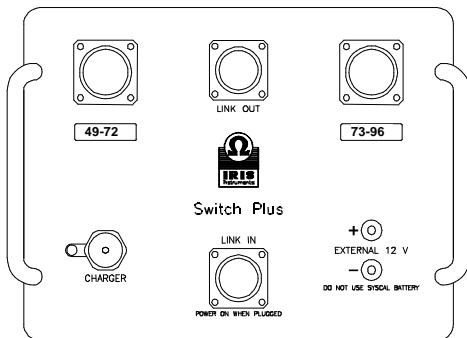
3D RESISTIVITY IMAGING

With conventional resistivity imaging systems 3D surveys must be done by laying out in a snake figure a linear array of electrodes. This is far from efficient when surveying a large area since no easy roll-along capability can be implemented. The *Switch Plus* accessory of the **SYSCAL Jr/R1 Plus Switch-48** brings new possibilities as it is especially designed for laying out multiple parallel lines of electrodes and allowing roll-along setup.

Each *Switch Plus* box is designed to switch 48 electrodes. The standard setting is to use two 24 take-out cable strings (seismic cable type). However custom cables may also be used if fitted with the proper Bendix plugs.

Up to three additional *Switch Plus* boxes may be used with a **SYSCAL Jr/R1 Plus Switch-48**, so that four lines of 48 electrodes or eight lines of 24 electrodes can be set together to perform a 3D survey.

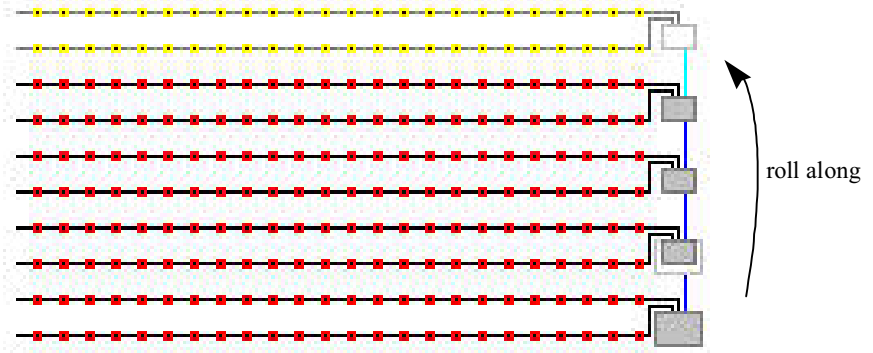
For practical ease, the recommended array is a combination of in-line collinear dipole-dipole and broadside equatorial dipole-dipole, the latter having a deeper depth of investigation. The 100 W delivered by the **SYSCAL Jr/R1 Plus Switch-48** allow to obtain good signal-to-noise ratios for dipole-dipole measurements even in suburban areas.



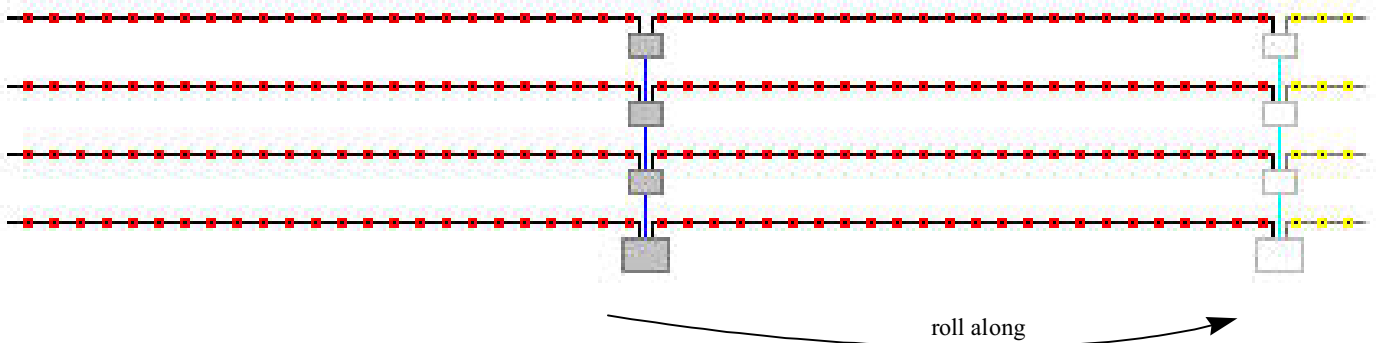
Switch Plus

APPLICATIONS

The 8 by 24 electrodes lay out is ideal for environmental and archaeological 3D surveying



The 4 by 48 electrodes lay out is ideal for civil engineering investigations prior to major earth works such as trenches digging and railway or highway construction.



SPECIFICATIONS

- Dimensions: 23 x 18 x 23 cm
- Weight: 4,5 kg
- Power supply: internal rechargeable 12 V & 6.5 Ah battery or external 12 V car battery
- Operating temperature: -20 to + 70°C