

100W / 100W+ Datalogging ERT® Modules

IMPORTANT NOTICE

This box contains 100W+ ERT modules. These ERT modules are functionally the same as previously manufactured ERT modules but are capable of enhanced security, Geo mode, and 9-digit and SCM+ messaging.

- All new versions of the 100W+ pit models come standard with an antenna connector. This antenna connector is always the red integral connector. An additional telemetry connector is also available on select models.
- The new 100W+ is identified by a part number with the eighth digit either a 3 or 4 (for example, ERW-1300-3XX or -4XX).
- 100W descriptions and part numbers are provided for reference only.

Existing 100W Models	Part Numbers	New 100W+ Models	Part Numbers	Telemetry Connector	Antenna Connector	Remote
100W Encoder with integral connector	ERW-1300-202	100W+ Encoder with integral connector and antenna connector	ERW-1300-302 ERW-1300-402	N	Y	N
100W Encoder with integral connector and telemetry connector	ERW-1300-203	100W+ Encoder with integral connectors, telemetry connector, and antenna connector	ERW-1300-303 ERW-1300-403	Y	Y	N
100W Encoder with 5-ft flying lead	ERW-1300-205	100W+ Encoder with 5-ft flying lead	ERW-1300-305 ERW-1300-405	N	Y	N
100W Encoder with 5-ft flying lead and telemetry connector	ERW-1300-206	100W+ Encoder with 5-ft flying lead, telemetry connector, and antenna connector	ERW-1300-306 ERW-1300-406	Y	Y	N
100W Encoder with 20-inch flying lead	ERW-1300-217	100W+ Encoder with 20-inch flying lead and antenna connector	ERW-1300-317 ERW-1300-417	N	Y	N
100W Encoder with 20-inch flying lead and telemetry connector	ERW-1300-218	100W+ Encoder with 20-inch flying lead, telemetry connector, and antenna connector	ERW-1300-318 ERW-1300-418	Y	Y	N
100WP Pulsar with integral connector and antenna connector	ERW-1300-208	100WP+ Pulsar with integral connector and antenna connector	ERW-1300-308 ERW-1300-408	N	Y	N
100WP Pulsar with integral connector and telemetry connector	ERW-1300-209	100WP+ Pulsar with integral connector, telemetry connector, and antenna connector	ERW-1300-309 ERW-1300-409	Y	Y	N
100WP Pulsar with 5-ft flying lead	ERW-1300-211	100WP+ Pulsar with 5-ft flying lead and antenna connector	ERW-1300-311 ERW-1300-411	N	Y	N
100WP Pulsar with 5-ft flying lead and telemetry connector	ERW-1300-212	100WP+ Pulsar with 5-ft flying lead, telemetry connector, and antenna connector	ERW-1300-312 ERW-1300-412	Y	Y	N
100WP Pulsar with 20-inch flying lead	ERW-1300-219	100WP+ Pulsar with 20-inch flying lead and antenna connector	ERW-1300-319 ERW-1300-419	N	Y	N
100WP Pulsar with 20-inch flying lead and telemetry connector	ERW-1300-220	100WP+ Pulsar with 20-inch flying lead, telemetry connector, and antenna connector	ERW-1300-320 ERW-1300-420	Y	Y	N
100W-R Remote Encoder with 10-in. flying lead	ERW-1300-213	100W-R+ Remote Encoder with 10-in. flying lead	ERW-1300-313	N	N	Y
100W-R Remote Encoder with 10-inch cable for register connection and 10-inch cable for telemetry connection	ERW-1300-214	100W-R Remote Encoder with 10-inch cable for register connection and 10-inch cable for telemetry connection	ERW-1300-314	Y	N	Y
100WP-R Remote Pulsar with flying lead	ERW-1300-215	100WP-R+ Remote Pulsar with flying lead	ERW-1300-315	N	N	Y
100WP-R Remote Pulsar with flying lead and telemetry flying lead	ERW-1300-216	100WP-R+ Remote Pulsar with flying lead and telemetry flying lead	ERW-1300-316	Y	N	Y

The latest Itron collection systems provide the tools for our customers to read new SCM+ ERT modules alongside legacy SCM ERT modules when enhanced security is not required. Products capable of processing the new SCM+ message include:

Handheld and Mobile Application Software:

- MV-RS: v8.4
- Field Collection System (FCS): requires updates to FCS v2.3 and FCS v2.4
minimum requirements: database script included in FCS Server 2.3.2.4 HF5 and FCS DC v2.3.10
database script included in FCS Server 2.4.1.20 HF8 and FCS DC v2.4.8.2
- Mobile Collection Software: v3.4
- Field Deployment Manager (FDM): v3.2 and higher

Handhelds and Radios:

- FC300SR: all models using the application software listed above
- 900MHz Belt Clip Radio: all models require firmware v1.3 along with the FDM software listed above
- FC200SR: Models FC2-0005-002, FC2-0005-003, FC2-0005-004, FC2-0005-104U, FC2-0006-002, FC2-0006-003, FC2-0006-004, or FC2-0006-104U, using the application software listed above

Mobile Collectors:

- MC3 models DCU-5310-011, DCU-5310-001, and DCU-5300-001DL are SCM+ compliant using Mobile Collection Software v3.4 and the application software listed above
- MC3 model DCU-5300-001 can be upgraded for SCM+ with a hardware upgrade at the Itron Service Center
- MCLite models DCU-5310-201 and DCU-5000-002DL are SCM+ compliant using the application software listed above
- MCLite models DCU-5000-001 and DCU-5000-002 can be upgraded for SCM+ with a hardware upgrade at the Itron Service Center



Network Products:

- ChoiceConnect Network Software: v4.1 and higher
- CCU100: all models support SCM+ using Network Software v4.1 and higher
- Repeater 100: all models support SCM+ using Network Software v4.1 and higher
- CCU 4.2: all models support SCM+ using updated Network Software and the included firmware update

If enhanced security is desired, order part number SEC-0000-001 and Itron Security Manager v3.0. Collection systems capable of processing enhanced security messages with authentication and encryption for the 100W+ include:

Handheld and Mobile Application Software:

- Field Collection System (FCS): v2.5 and higher
- MV-RS: v8.5—scheduled for release soon
- Mobile Collection Software: v3.5.1 and higher
- Field Deployment Manager (FDM): v3.2 and higher

Handhelds and Radios:

- FC300SR: all models using the application software listed above
- FC200SR: models FC2-0005-004, FC2-0006-004, FC2-0005-104, and FC2-0006-104 using the application software listed above

Mobile Collectors

- MC3 models DCU-5310-011, DCU-5310-001, DCU-5300-001DL, and DCU-5300-001DLU using Mobile Collection Software v3.5.1 and the application software listed above
- MCLite models DCU-5310-201 and DCU-5000-002DL using the application software listed above

Network Products:

- ChoiceConnect Network Software: v5.0 and higher
- CCU100: all models support enhanced security using Network Software v5.0 and higher
- Repeater 100: all models support enhanced security using Network Software v5.0 and the included firmware update and higher