

D+/IsatM2M Two-Way Paging

IsatM2M is an upgrade to the original INMARSAT-D+. "M2M" stands for "Machine-to-Machine". D+/IsatM2M is a 32-tone Reed-Solomon coded 2-way paging system primarily used for asset tracking. It operates at two transmission rates, 4 tones/s (20 Hz spacing) and 16 tones/s (32 Hz spacing). After pre-amble, block is tone 16 sync, 15 message tones, then 16 error correction tones. Each tone is 5 bits-lowest tone being 00000. Message traffic is often encrypted or bit pre-formatted. Orbcomm, Inc. (SkyWave Mobile Communications) and Honeywell Global Tracking (Satamatics Global Ltd.) are service providers. LES numbers are in octal.

Sort by satellite

| <i>Satellite</i> | <i>Frequency</i> | <i>LES</i> | <i>LES Location</i> | <i>Rate</i> | <i>Notes</i> |
|------------------|------------------|------------|---------------------|-------------|-----------------|
| 98W AMER | 1537.8475 | 604 | Laurentides | 16 t/s | Traffic Channel |
| 98W AMER | 1537.9950 | 604 | Laurentides | 4 t/s | Bulletin Board |
| 98W AMER | 1545.9075 | 614 | Laurentides | 16 t/s | Traffic Channel |
| 98W AMER | 1545.9200 | 614 | Laurentides | 16 t/s | Traffic Channel |
| 54W AOR-W | 1539.7600 | 014 | Burum | 16 t/s | Traffic Channel |
| 54W AOR-W | 1539.7700 | 014 | Burum | 16 t/s | Traffic Channel |
| 54W AOR-W | 1539.7900 | 014 | Burum | 16 t/s | Traffic Channel |
| 54W AOR-W | 1537.9000 | 003 | Burum | 16 t/s | Traffic Channel |
| 54W AOR-W | 1538.3800 | 014 | Burum | 4 t/s | Bulletin Board |
| 15.5W AOR-E | 1537.8700 | 114 | Burum | 4 t/s | Bulletin Board |
| 15.5W AOR-E | 1537.9325 | 114 | Burum | 16 t/s | Traffic Channel |
| 15.5W AOR-E | 1541.0475 | 103 | Burum | 16 t/s | Traffic Channel |
| 64E IOR | 1537.5000 | 314 | Burum | 16 t/s | Traffic Channel |
| 64E IOR | 1537.9950 | 314 | Burum | 4 t/s | Bulletin Board |
| 64E IOR | 1540.9775 | 303 | Burum | 16 t/s | Traffic Channel |
| 178E POR | 1537.8700 | 202 | Auckland | 4 t/s | Bulletin Board |
| 178E POR | 1537.8900 | 214 | Auckland | 16 t/s | Traffic Channel |
| 178E POR | 1541.0750 | 202 | Auckland | 16 t/s | Traffic Channel |

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| <i>Satellite</i> | <i>Frequency</i> | <i>LES</i> | <i>LES Location</i> | <i>Rate</i> | <i>Notes</i> |
|------------------|------------------|------------|---------------------|-------------|-----------------|
| 64E IOR | 1537.5000 | 314 | Burum | 16 t/s | Traffic Channel |
| 98W AMER | 1537.8475 | 604 | Laurentides | 16 t/s | Traffic Channel |
| 15.5W AOR-E | 1537.8700 | 114 | Burum | 4 t/s | Bulletin Board |
| 178E POR | 1537.8700 | 202 | Auckland | 4 t/s | Bulletin Board |
| 178E POR | 1537.8900 | 214 | Auckland | 16 t/s | Traffic Channel |
| 54W AOR-W | 1537.9000 | 003 | Burum | 16 t/s | Traffic Channel |
| 15.5W AOR-E | 1537.9325 | 114 | Burum | 16 t/s | Traffic Channel |
| 98W AMER | 1537.9950 | 604 | Laurentides | 4 t/s | Bulletin Board |
| 64E IOR | 1537.9950 | 314 | Burum | 4 t/s | Bulletin Board |
| 54W AOR-W | 1538.3800 | 014 | Burum | 4 t/s | Bulletin Board |
| 54W AOR-W | 1539.7600 | 014 | Burum | 16 t/s | Traffic Channel |
| 54W AOR-W | 1539.7700 | 014 | Burum | 16 t/s | Traffic Channel |
| 54W AOR-W | 1539.7900 | 014 | Burum | 16 t/s | Traffic Channel |
| 64E IOR | 1540.9775 | 303 | Burum | 16 t/s | Traffic Channel |
| 15.5W AOR-E | 1541.0475 | 103 | Burum | 16 t/s | Traffic Channel |
| 178E POR | 1541.0750 | 202 | Auckland | 16 t/s | Traffic Channel |
| 98W AMER | 1545.9075 | 614 | Laurentides | 16 t/s | Traffic Channel |
| 98W AMER | 1545.9200 | 614 | Laurentides | 16 t/s | Traffic Channel |