Ammonit offers BGAN (Broadband Global Area Network) satellite services for Meteo-40 data loggers.

The bundle size is 54 MB, which is calculated to perform the following actions with the data logger:

- FTP or SCP transmission of CSV files 3-4 days per week
- 1 firmware upgrades for Meteo-40 data logger
- Access to Meteo-40 data logger via tunnel server 3x 20 min per week

**Contract Details**

- Activation of SIM card
- 54 MB/year
- Limit of 18 MB in a month
- 12 months line rental
- The only option available is data.
  Voice, ISDN or streaming services are not available.

**Configuring Meteo-40 data loggers for BGAN communication**

BGAN satellite modems are connected via Ethernet to Meteo-40. The BGAN modem itself is configured via the software provided by its manufacturer. Refer to the modem user manual for further details, e.g. network registration.

Select a **LAN switch** from the dropdown list in the Communication→LAN menu of the Meteo-40 web interface to supply the modem. Deselect the checkbox **LAN online, whenever CECS is on** to prevent excessive traffic.

Go to the Communication→Online menu and copy the Ammonit tunnel address of the data logger, e.g., https://dnnnnnnn.tunnel.ammonit.com. Disconnect the data logger from your PC and/or LAN. After entering the copied address in your browser, you should be able to log into the Meteo-40 web interface via the satellite connection.

Refer to the Meteo-40 user manual for further details about the BGAN modem configuration.
Cost-saving tips for satellite communication

We recommend configuring only one communication method, i.e., select between AmmonitOR, SCP/FTP and email. If more than one communication method is active, the bandwidth consumption can double or triple. By using the SCP file upload to AmmonitOR or your server, you consume approx. 20% less bandwidth than using email communication.

We recommend setting the online availability time of the Meteo-40 data logger to a minimum, e.g., 3 times a week for 20 min. Perform firmware update and configuration changes only if absolutely necessary. As soon as you log into the web interface, data is updated. You might consume valuable satellite communication time. Hence, we recommend reducing the log-in time to a minimum. After closing the browser session, the connection is immediately shut down and no further data traffic occurs.

Set a start date for the file upload to prevent the data logger from sending previously sent files.

By activating the checkboxes Prevent implicit tunnel activation and Reduce user interface interactions in the Communication→Online menu of the Meteo-40 web interface, you can reduce the data traffic. The communication is only established according to the configured schedule. Other tunnel activations are prevented, e.g., when data is uploaded via SCP or set via email.

Deselect the checkbox LAN online, whenever CECS is on. Thus the satellite connection is only available, when any action is scheduled, e.g., data upload. You can check your BGAN settings in the Communication→LAN menu via the button Check optimal BGAN settings.