Symbolise
Communication and Broadcast Solutions

Compact Fly-Away System

1.0m Ku-Band 40W DVBS2 Mobile Uplink Terminal

Modular airline checkable fly-away satellite terminal with a 4 piece antenna reflector. Packed in 3 ruggedized flight cases. Ease of use and simple installation. Ideally suited for quick response, events, or emergency scenarios.
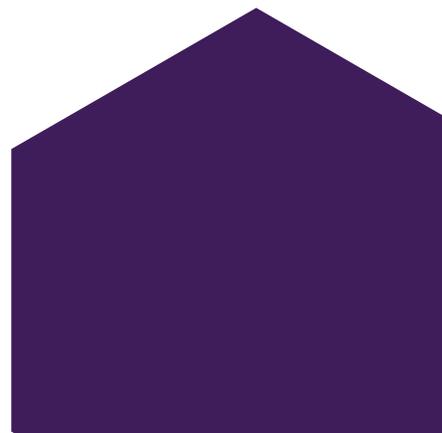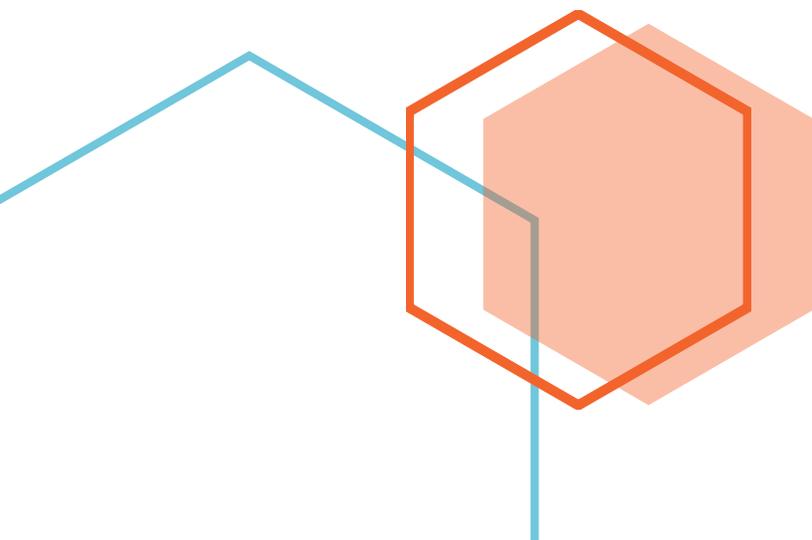
Compact Fly-Away System

1.0m Ku-Band 40W DVBS2 Mobile Uplink Terminal

Cobalt BBG-1123-ENC

The Cobalt Encoder (model BBG-1123-ENC) provides a compact form-factor standalone unit for distribution of MPEG-4. It has a free, easy-to-use DashBoard™ setup-and-control operator interface. In addition to control/monitoring via DashBoard™ software, the advanced front panel display/user interface allows initial and basic configuration setup without needing any computer or connection to remote control. Low-profile packaging fits 1 RU installations.

The Cobal Encoder offers the latest advances in video compression that delivers excellent video quality at very low bit rates, making your transmissions very economic. Unique encoding designs allow delivery of multiple HD and SD video services simultaneously. In addition to SD/HD-SDI/3G-SDI inputs, the Encoder provides the flexibility of supporting SD analog composite video and one pair of analog stereo audio per channel (using MPEG-1 Layer II audio encoding as standard). The unit features two ASI outputs, as well as two simultaneous transport Ethernet outputs, supporting full-duplex 100 Mb/s and 1 Gb/s operation. Input video auto-detect mode allows encoding to automatically configure an output that correspond to the input, with resolution and frame rate same as input, and scaling set to same as input or other applicable choices. The BBG-1123-ENC supports the traditional UDP/RTP/SPMTE 2022 FEC protocols, as well as the HTTP Live Streaming protocol for transmitting live video over the Internet.

The encoder BBG-1123-ENC can operate in one of two modes:

- ASI/IP Streaming: used in traditional broadcast applications. The encoded bitstream be transmitted over ASI or IP using UDP/RTP protocols, with replication capability.

- OTT Protocols: used for Internet streaming. These include RTMP, HLS and Direct HTTP. The control port can be used for stream output in these modes.

Pack and Go
• • •

This system has been designed for mobility. Symbolise worked with its partners to create a compact system with a tailored flight case solution. These cases are rated for airline travel. The Symbolise fly-away is truly a versatile and a swiftly deployable solution.

Simple Use
• • •

Included with this system is a step-by-step practical operational guide. A non-technical worker can set up this system quickly and operate it with ease.

sales@symbolise.biz

Symbolise
Communication and Broadcast Solutions

Datum Systems M7L Modulator

The Fly-Away terminal uses the Datum M7L Modulator. The M7L is a compact (1/2 rack wide) unit. Because of the small size and low weight combined with its full feature set, the device is ideally suited for transportable systems. It supports DVB-S2 and S2X standards, L-band output frequency, IP Input and Symbol Rates up to full 72MHz. M7L is maintenance-free and works in the toughest of environments.
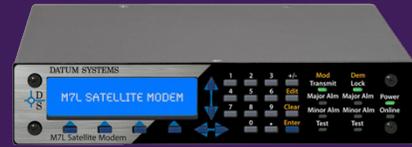
Sat-Lite Technologies

The Sat-Lite Technologies 1.0m flyaway antenna is highly portable, compact, light-weight, and can be assembled by one person in less than 15 minutes. The antenna features a 4 piece segmented glass fiber reinforced reflector, which makes the assembly extremely easy. It comes with a compact pedestal and is designed to provide exceptional performance. The entire antenna system has excellent stiffness characteristics to ensure it can be assembled/dismantled over-and-over again. What's very important is the convenience for a user when pointing and peaking on satellite. You can even use a pointing app on your smartphone. No need for a rocket scientist! The antenna packs in 2 ruggedized / all-weather cases.

Terrasat Ku-Band IBUC 3G 40W

Gallium Nitride amplifier technology facilitates higher power in a smaller outdoor enclosure – just what is needed for the IBUC 3G. Specially designed for mobility, the IBUC 3G is a full-featured IBUC in a new, smaller and lighter package. An excellent fit with very small aperture or fly-away antennas where size and weight are key considerations.

Yet, all of the IBUC performance and manageability advantages remain. The included web interface enables terminal optimization during installation and provides a suite of trouble-shooting tools. An auto-ranging DC power supply is accessed via external power connector or IFL cable.

Promax Ranger NEO 2

Symbolise FlyAway Terminal includes the RANGER Neo handheld device for easy pointing of the antenna dish. The RANGER Neo supports DVB-S2 as well as MPEG-2, MPEG-4 and HEVC H.265 video decoding, to check the transmitted signal. It also includes a WiFi analyzer. You will see touch the difference! It can also be used wearing gloves.

sales@symbolise.biz

Symbolise
Communication and Broadcast Solutions

Full System Specification

The terminal consists of the following components:

- IBUC 40W
- 1.0m Antenna
- Promax Ranger NEO 2
- 10m IFL Cable
- Quick Disconnect Waveguide
- Flight Cases
- Cobalt BBG 1123 Encoder
- Datum M7L Modulator

Flight Cases

The Symbolise Fly-Away terminal comes is airline checkable and comes with **3 ruggedized flight cases**.

The Sat-Lite Technologies antenna comes with 2 flight cases that are specifically designed by Sat-Lite technologies for this model.

The remaining components of the system are housed in a 3RU SKB flight case.

The Symbolise Fly-Away terminal is mobile and secured on your journey with our proprietary flight case solution. Pictures and dimensions of the flight cases are displayed below.

System Dimensions			
	Case 1	Case 2	Case 3
Weight (KG)	22	24	22
Length (CM)	65	63.2	62.2
Height (CM)	39.6	60.2	26.67
Width (CM)	49.5	33.3	49.2

sales@symbolise.biz

Symbolise
Communication and Broadcast Solutions