

LBB 6019 DP6000 Paging Transmitter



- 50 mW output
- Protection against VSWR damage
- Synchronization function
- Frequency band UHF: 409 - 470 MHz
- Galvanic separation between system earth, antenna earth and sync. earth
- 12 V power supply output
- LED status and diagnostic indicators

These paging transmitters are used in an Atus DP6000 digital paging system. The transmitter has an output power of 50 mW. Its aerial output is fully protected against damage from short- or open circuits. Full galvanic separation is available between system earth, antenna earth and sync. earth. The transmitter frequency can be selected in the high frequency range 409-470 MHz (specify your required frequency when ordering).

Functions

Power supply

An external power supply unit (12 VDC, 2.5 A) is included with the transmitter. A power outlet (12 VDC, 400 mA) is available to supply a central receiver, master sync unit, or desk situated near the transmitter.

Synchronization

If one transmitter cannot cover the required transmission area, subsequent transmitters can be installed in the same system. All system transmitters can be synchronized via a pilot frequency from a master sync unit. An extra pair of wires is required between the master sync. unit and transmitters to carry the pilot frequency.

Controls and indicators

The following LED displays are useful for status overview and troubleshooting:

External LEDs (status):

- Power on (green LED)
- Transmitter on (yellow LED)
- Internal LEDs (diagnostic):
 - LF signal
 - RF Power OK
 - VSWR Error
 - LF sync. OK

Interconnections

- power supply (4-pin mini-fit)
- RJ45 connector
- antenna (N-type female)
- HF sync. (VHF BNC female)

Certifications and Approvals

CE marking	acc. to Telecom directive 1999/5/EEC
Safety:	acc. to IEC/EN 60950-1
EMC	acc. to ETSI EN 301 489-1 acc. to ETSI EN 301 489-2
Telecom	acc. to ETSI EN 300 224-1 acc. to ETSI EN 300 224-2
ESD	acc. to EN 61000-4-2 contact: 8 kV; air: 15 kV
Bump	acc. to IEC 60068-2-29
Vibration	acc. to IEC 60068-2-6
Dust and waterproof	IP 40

Parts Included

Quantity	Component
1	Transmitter
1	Power supply
1	2.5 m cable with 16-pole Hirschmann plug

Technical Specifications

Electrical

Power source	100 to 240 VAC
Power supply output	12 V, 400 mA
Power consumption	
standby	220 mA
transmitting	260 mA
Frequency range	409 to 470 MHz
(channel spacing/deviation)	12.5 to 2 kHz 20 kHz to 4 kHz (factory setting)
RF output power	50 mW
Modulation	FM

Mechanical

Dimensions (H x W x D):	
transmitter	81.5 x 270 x 195 mm
power adapter	80 x 105 x 68 mm
Weight: transmitter	2 kg power
adapter	250 g

Environmental

Operating temperature	-20 °C to +55 °C
Storage temperature	-40 °C to +70 °C
Humidity	95% non condensing

Ordering Information

LBB 6019 DP6000 Paging Transmitter	LBB6019/00
50 mW output	