LBP/LNP is wideband antenna LPDA (log periodic dipole Array) with linear amplifier designed to boost 20dB an RF signal:

- LxP -L working in 435-700 MHz
- LxP -H working in 566-800 MHz
- LxP -X working in up 960 MHz
- LxP -W working in up 1300 MHz

It enhances reception providing approx. 6dB gain with a typical beam-width of 90 degrees.
The amplifier is powered through the coaxial cable attached to its input connector (200 mA @ 12V).
Amplifier housing is in ruggedized aluminum, with waterproof sealing* (suitable for outdoor installations).

BOOSTER SPECIFICATIONS

• Frequency range(*)	:	up 700 MHz (LxP-L), up 800 MHz (LxP-H), up 960 MHz (LxP-X), up 1300 MHz (LxP-W)
• Max input power	:	4 dBm
• Input/output impedance	:	50 ohm (SWR = < 1:1.2).
• Connectors	:	BNC-female type or N-female type (option CN)
• Gain (max)	:	20 dB (typical)
• OIP3	:	+42 dBm (Output 3° order Intercept Point) typical @ 27dBm - 1dB compression point
• Powering	:	+12 V, 200 mA (thru input coax. cable)

(*) Note: that the LxP is using a full 1.3 GHz wideband amplifier, the band limitation is due to the low pass filter only (to avoid 2rd and higher harmonics generation).

ANTENNA SPECIFICATIONS

- Dimension: 276 x 336 x 61 mm (HxWxD)
- Material: Epoxy fiberglass (copper –clad)
- Connector: BNC type (for LBP), N type (for LNP)
- Finishing: Black matte
- Mounting: 5/8” Withworth or 3/8” with adapter
- Weight: 700g (LBP), 750g (LNP)