

TETRA is widely used to support the everyday life of fire brigades, police departments, emergency services, special forces as well as private / government owned companies worldwide.

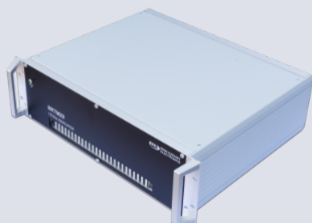
The number of user is growing steadily thanks to its robustness and features needed by such organisations. This growing demand raises the need of extended bandwidth. BHE has been designing and manufacturing UHF & TETRA repeaters since 2006, offering full portfolio of analogue and digital off-air repeaters and optical master slaves too.

The repeater family is broadened by a set of repeaters to support 6.5 MHz bandwidth. This document summarizes the new offering in this field.

OFF-AIR REPEATERS

ANALOGUE

MINI



BRTM29

MINI



BRTM19

MINI



BRTM39

MACRO



BRTL39

DIGITAL

	MODEL	RF GAIN	DL	UL	CHANNEL SELECTIVE	WALL MOUNT	19" RACK MOUNT	COMBINED	SEPARATED	4G MODEM
PICO	BRTS19	70 dB	18 dBm	18 dBm		✓		✓		✓**
	BRTM19	55 dB*/70 dB	20 dBm* / 22 dBm	20 dBm* / 22 dBm		✓		✓		✓**
MINI	BRTM29	70 dB	22 dBm	22 dBm			✓		✓	✓**
	BRTM39	76 dB	22 dBm* / 24 dBm	22 dBm	✓	✓		✓		✓**
	BRTM48	76 dB	24 dBm	22 dBm	✓		✓		✓	✓**
MACRO	BRTL34	90 dB	36 dBm	24 dBm	✓		✓		✓	✓**
	BRTL39	90 dB	36 dBm	24 dBm	✓	✓		✓		✓**
	BRTL47	90 dB	36 dBm	36 dBm	✓	✓		✓		✓**
	BRTL49	90 dB	36 dBm	36 dBm	✓		✓	✓		✓**

* Belgian model
** optional

OPTICAL REPEATERS

MASTERS*



BRMF63



BRMF56-E

MODEL	TECHNICAL		RF BAND		CONSTRUCTION		NUMBER OF SLOTS	MAX NUMBER OF SLAVES	EXTENDABLE	REDUNDANT SUPPORT
	GAIN	ABS. MAX INPUT POWER LEVEL	SINGLE	WALL MOUNT	19" RACK MOUNT					
BRMF56-E	-10 dB	+10 dBm	✓		✓		1	4		✓
BRMF57-E	-10 dB	+10 dBm	✓		✓		2	8		✓
BRMF63	-20 dB	+26 dBm	✓		✓		3-8	32	✓	✓

SLAVES*



BRTF48



BRTF26-E

	MODEL	TECHNICAL		RF BAND		CONSTRUCTION		DUAL OPTICAL FEED	DAISY CHAIN CAPABILITY
		GAIN MAX	OUTPUT POWER/BAND	SINGLE	WALL MOUNT	19" RACK MOUNT			
MINI	BRTF48	50 dB	24 dBm	✓		✓			✓
	BRTF35	50 dB	24 dBm	✓	✓				✓
MACRO	BRTF26-E	65 dB	33 dBm	✓	✓	✓	✓	✓	✓
	BRTF32	65 dB	36 dBm	✓		✓			✓
	BRTF34	65 dB	36 dBm	✓		✓	✓	✓	✓
	BRTF36	65 dB	36 dBm	✓	✓				✓
	BRTF33	65 dB	36 dBm	✓	✓		✓	✓	✓

*Dual band option is also available.