



Legacy Multiswitch 2024

LEM ELETTRONICA®

Satellite and TV reception equipment

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LEGACY MULTISWITCH

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HS44 SERIES



LNB Powering from decoder



Max consumption $\leq 35\text{mA}$

- Support for wall fixing
- Very compact size
- Standard colour input coding



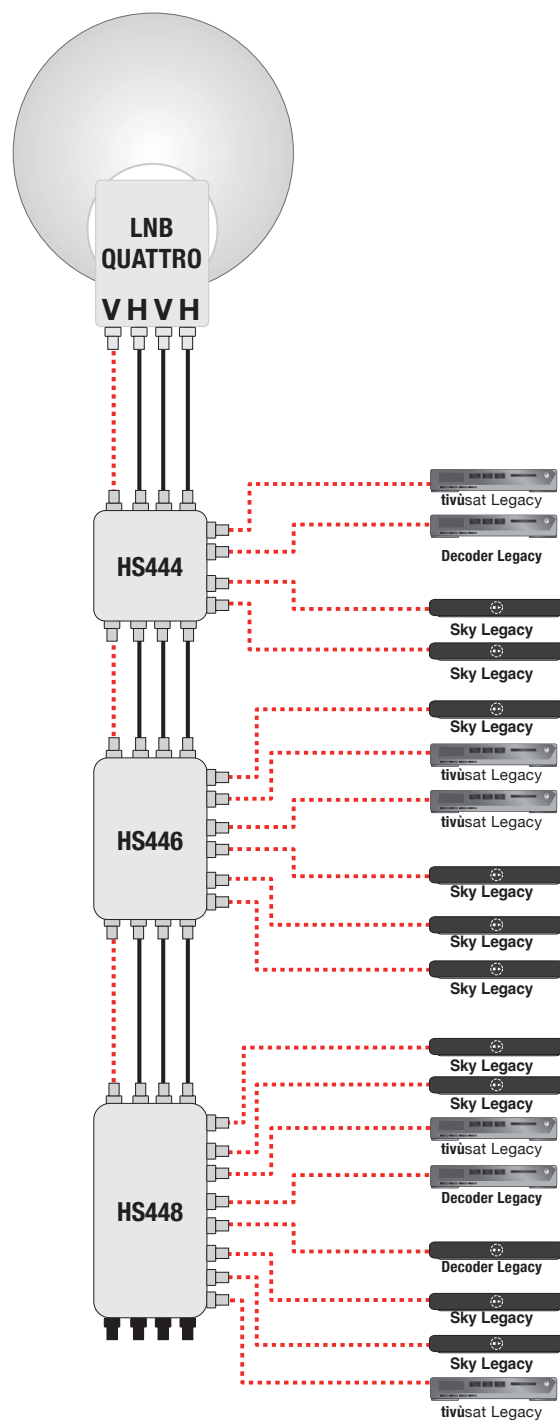
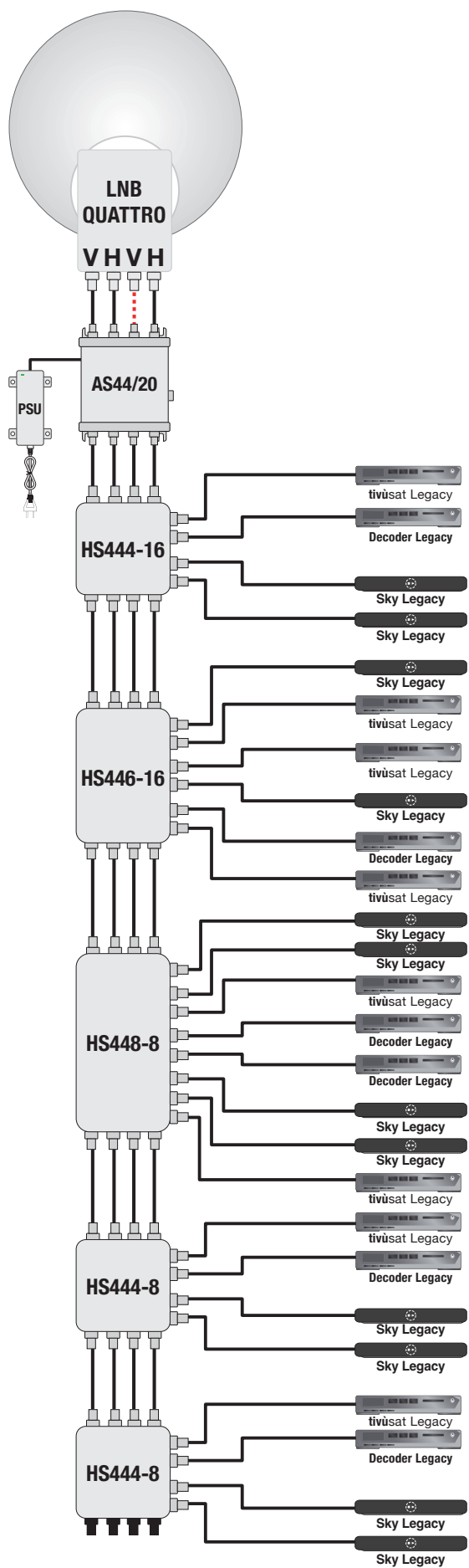
ENERGY  SAVING
Stand-by mode

Ready for
UHD TV

WARRANTY **5** YEARS

MODEL		HS444	HS446	HS448
MODEL		CASCADABLE		
INPUTS / OUTPUTS		4 / 4		
TAPS		4	6	8
MAX LEVEL IF-SAT INPUT	dB μ V	90		
IF-SAT THROUGH LOSS	dB	≤ 1	$\leq 1,5$	≤ 3
TAP GAIN	dB	0/+1	0/+1	0
INPUTS ISOLATION	dB	> 35		
INPUT / OUTPUT ISOLATION	dB	> 30		
RETURN LOSS	dB	> 12		
TAP CONSUMPTION	mA	35		
LNB MAX CURRENT	mA	300		
DIMENSIONS	mm	90 x 72 x 28	120 x 72 x 28	147 x 72 x 28

MODEL		HS444-8	HS444-16	HS446-8	HS446-16	HS448-8	HS448-18
MODEL		CASCADABLE					
INPUTS / OUTPUTS		4 / 4					
TAPS		4		6		8	
MAX LEVEL IF-SAT INPUT	dB	≤ 1		$\leq 1,5$		≤ 3	
IF-SAT THROUGH LOSS	dB μ V	98	106	98	106	98	106
TAP LOSS	dB	- 8	- 16	- 8	- 16	- 8	- 18
INPUTS ISOLATION	dB	> 35					
INPUT / OUTPUT ISOLATION	dB	> 30					
RETURN LOSS	dB	> 12					
TAP CONSUMPTION	mA	35					
LNB MAX CURRENT	mA	300					
DIMENSIONS	mm	90 x 72 x 28		120 x 72 x 28		147 x 72 x 28	



► For small installations with one or more HS44 series multiswitches, the headend amplifier could not be required. LNB power is supplied directly from the decoders.

..... LNB Power Line

HSX5 SERIES

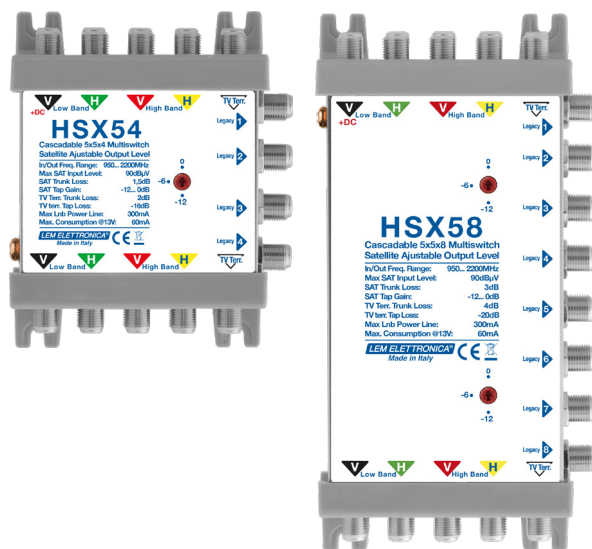


LNB Powering from decoder



Satellite Gain Adjustment

- Max consumption $\leq 35\text{mA}$
- Satellite / Terrestrial Isolation $> 50\text{dB}$
- Short circuit protection

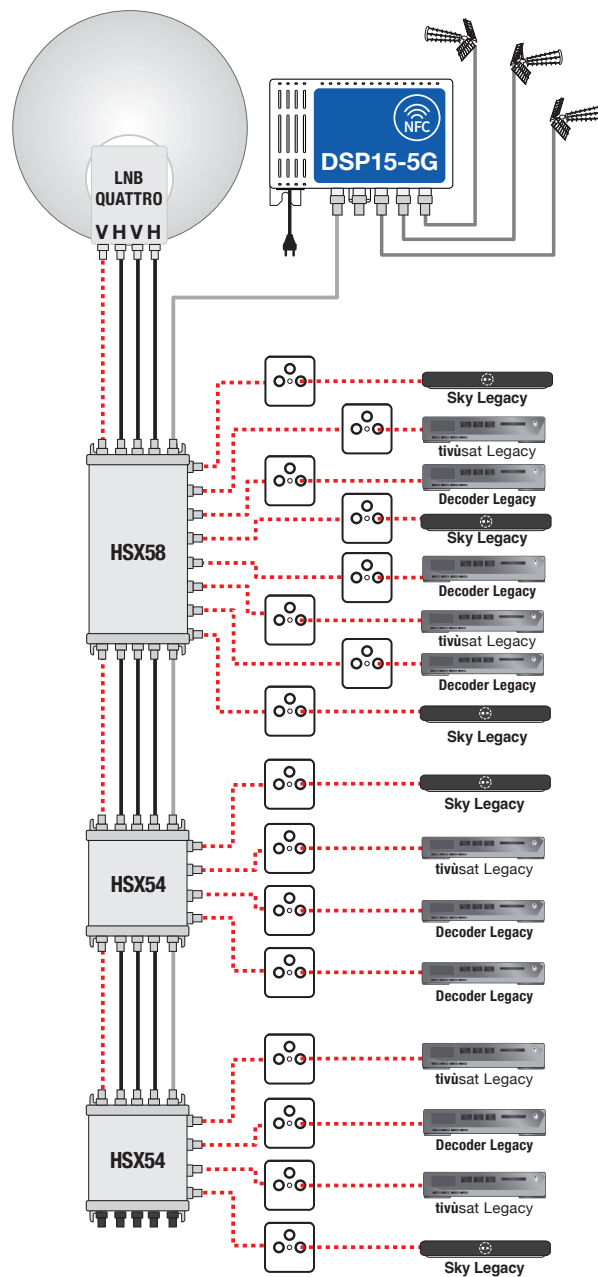
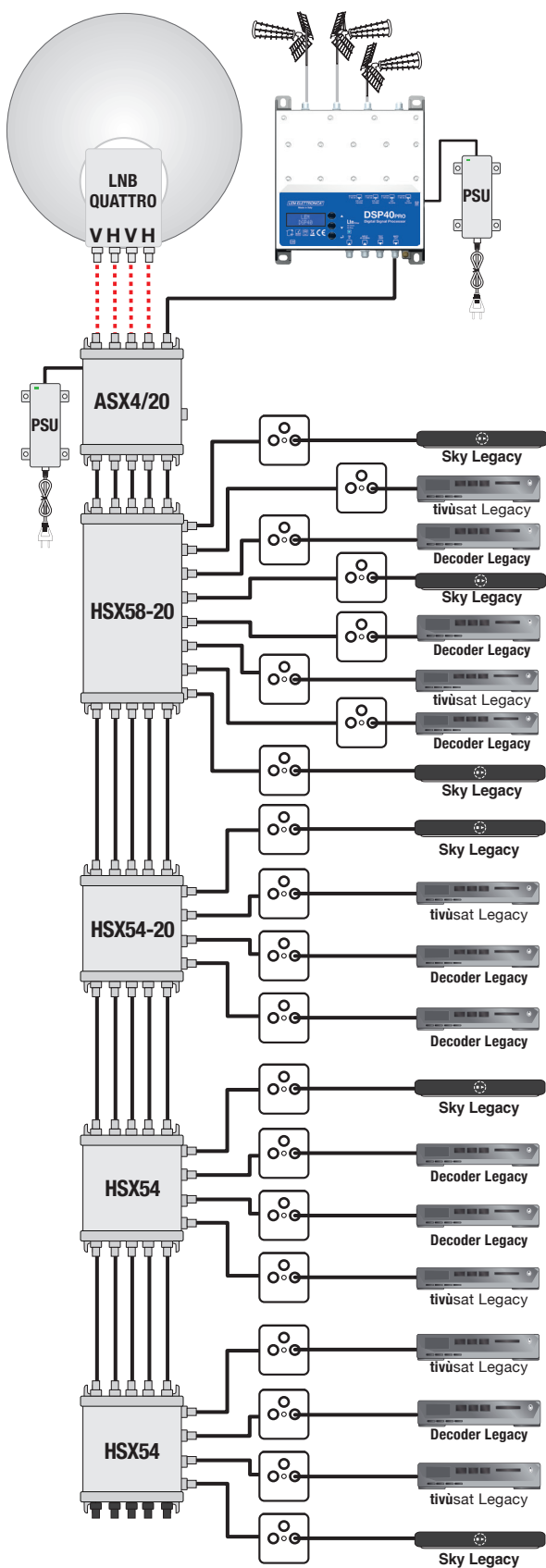


ENERGY  SAVING
Stand-by mode

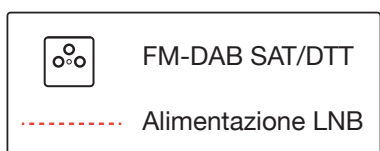
Ready for
UHD TV

WARRANTY **5** YEARS

MODEL		HSX54	HSX54-20	HSX58	HSX58-20
MODEL		PASSANTE			
INPUTS / OUTPUTS		5 / 5			
TAPS		4		8	
SATELLITE					
THROUGH LOSS (5÷2400MHz)	dB	≤ 1,5		≤ 3	
TAP GAIN	dB	0... - 12		0... - 12	
MAX INPUT LEVEL	dBμV	90			
LNB MAX CURRENT	mA	300			
TV TERRESTRIAL					
TRUNK FREQUENCY RANGE	MHz	5... 900			
TRUNK LOSS	dB	≤ 2		≤ 4	
TAP FREQUENCY RANGE	MHz	5... 790			
TAP LOSS	dB	- 16	- 21	- 20	- 25
RETURN PATH (5... 65 MHz)	dB	- 16	- 21	- 20	- 25
COMMON					
IF-SAT / TV TERR. SEPARATION	dB	≥ 50			
INPUTS SEPARATION	dB	> 35			
INPUT / OUTPUT SEPARATION	dB	> 30			
RETURN LOSS	dB	> 12			
MAX. TAP CONSUMPTION	mA	60			
OPERATING TEMPERATURE	°C	-10... +55			
DIMENSIONS	mm	88x110x35		88x172x35	



► For small installations with one or more HSX5 series multistage switches, if the input signal to the multistage switches is sufficient, it may not be necessary to use the headend amplifier. LNB power is supplied directly from the decoders.



MA9 SERIES

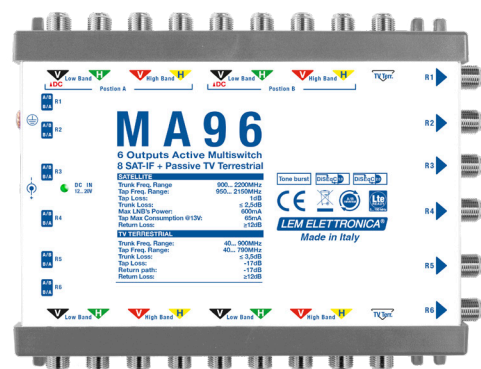
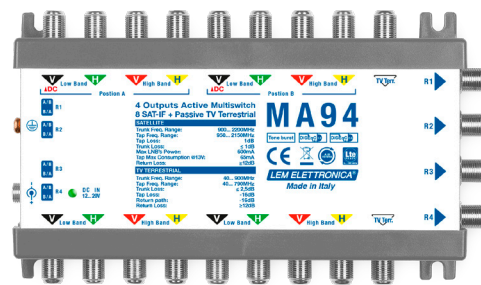


Multiswitch Powering from decoder



Satellite Gain Adjustment

- Max consumption $\leq 35\text{mA}$
- Satellite / Terrestrial Isolation $> 50\text{dB}$
- Short circuit protection



ENERGY  SAVING
Stand-by mode

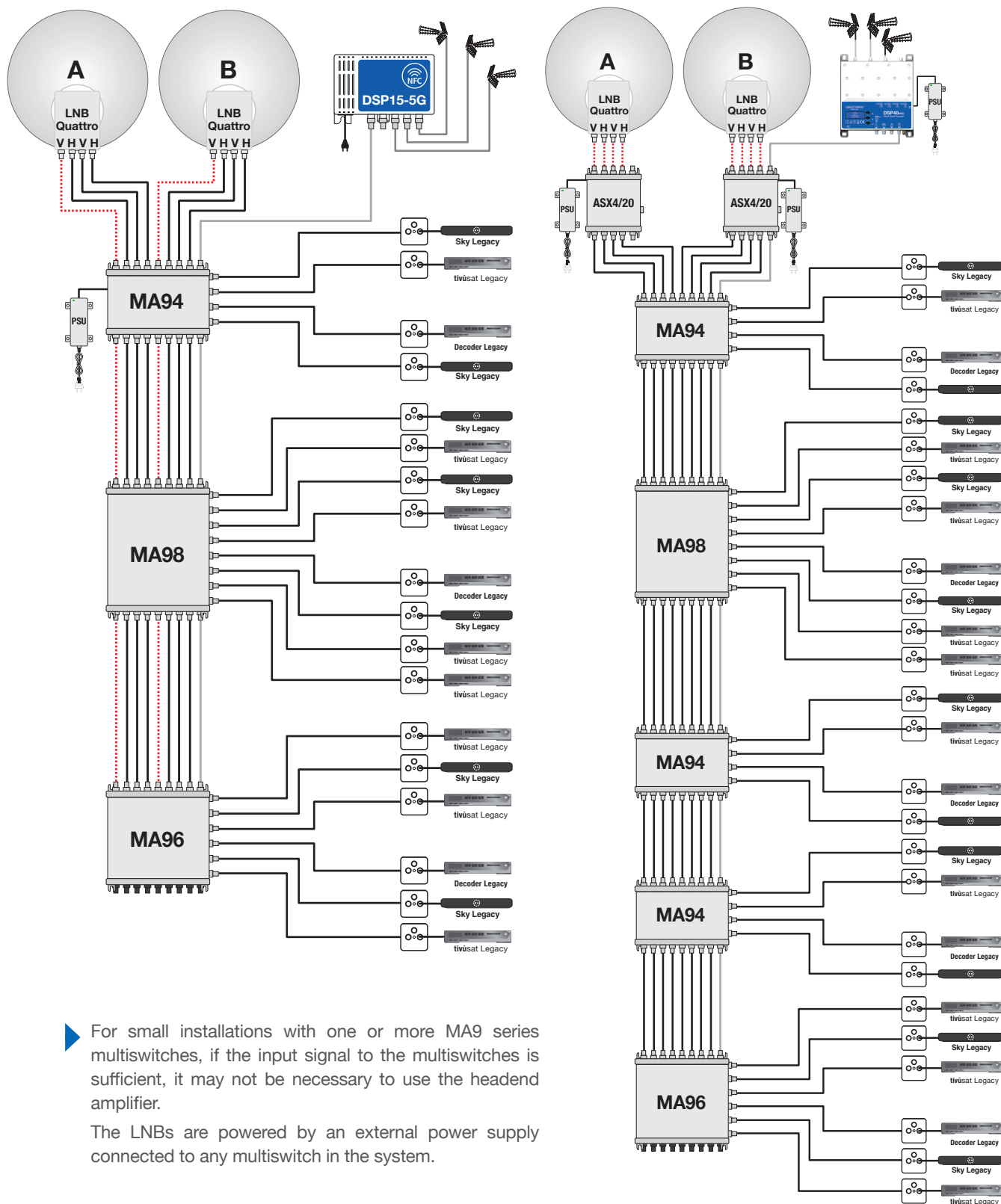
Ready for
UHD TV

WARRANTY **5** YEARS

MODEL		MA94	MA96
MODEL		CASCADABLE	CASCADABLE
INPUTS / OUTPUTS		9 / 9	9 / 9
TAPS		4	6
SATELLITE			
THROUGH LOSS (5÷2400MHz)	dB	≤ 1,5	≤ 2,5
TAP FREQUENCY RANGE	MHz	950... 2150	950... 2150
TAP GAIN	dB	1	1
CROSS-POLAR ISOLATION	dB	> 32	> 32
INPUT / OUTPUT ISOLATION	dB	> 32	> 32
STANDARD COMMUNICATION		TONE BURST / DiSEqC 1.0 / DiSEqC 2.0	
SIGNAL DiSEqC		22KHz+/-20% / 500mV +/-250mV	
MAX LNB CURRENT	mA	600	
TV TERRESTRIAL			
TRUNK FREQUENCY RANGE	MHz	5... 900	5... 900
TRUNK LOSS	dB	≤ 2,5	≤ 3,5
TAP LOSS	dB	- 16	- 17
IF-SAT / TV TERR. SEPARATION	dB	> 50	
RETURN PATH	dB	- 16	-17
MAX LEVEL OUTPUT	dBμV	100	
COMMON			
RETURN LOSS INPUT / OUTPUT	dB	≥ 12	≥ 12
USER CONSUMPTION MAX.	mA	65	65
OPERATING TEMPERATURE	°C	-10... 55	
DIMENSIONS	mm	161x 98x36	161x136x36



MODEL		MA98	MA912
MODEL		CASCADABLE	CASCADABLE
INPUTS / OUTPUTS		9 / 9	9 / 9
TAPS		8	12
SATELLITE			
THROUGH LOSS (5÷2400MHz)	dB	≤ 4	≤ 5
TAP FREQUENCY RANGE	MHz	950... 2150	950... 2150
TAP GAIN	dB	- 1	- 3
CROSS-POLAR ISOLATION	dB	> 32	
INPUT / OUTPUT ISOLATION	dB	> 32	
STANDARD COMMUNICATION		TONE BURST / DiSEqC 1.0 / DiSEqC 2.0	
SIGNAL DiSEqC		22KHz+/-20% / 500mV +/-250mV	
LNB MAX CURRENT	mA	600	
TV TERRESTRIAL			
TRUNK FREQUENCY RANGE	MHz	5... 900	5... 900
TRUNK LOSS	dB	≤ 3,5	≤ 6
TAP LOSS	dB	- 19	- 20
IF-SAT / TV TERR. SEPARATION	dB		
RETURN PATH	dB	- 19	- 20
MAX LEVEL OUTPUT	dBµV	100	
COMMON			
RETURN LOSS INPUT / OUTPUT	dB	≥ 12	
USER CONSUMPTION MAX.	mA	65	65
OPERATING TEMPERATURE	°C	-10... 55	
DIMENSIONS	mm	161x171x36	161x240x36



► For small installations with one or more MA9 series multiswitches, if the input signal to the multiswitches is sufficient, it may not be necessary to use the headend amplifier.

The LNBs are powered by an external power supply connected to any multiswitch in the system.



FM-DAB SAT/DTT

..... Alimentazione LNB



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