

CAS 3500/32 Headend

The CAS 3500/32 Cassette Amplifier System integrates all required components for a professional maritime TV/Radio-Headend system for up to 32 TV/R-Outlets. It amplifies analogue as well as digital signals from longwave to UHF.

Four separate Automatic Level Control circuits (ALC) help maintain the output level stable under the varying conditions encountered aboard ships. The basic system is easily expanded to include one or more modulators.

Technical specifications

Frequency range/Amplifier gain

AM 0.1-26.5 MHz	22 ± 2 dB
Band I 40-70 MHz	24 ± 2 dB
FM 88-110 MHz	26 ± 2 dB
VHF 170-230 MHz	29 ± 2 dB
S 244-446 MHz	24 ± 2 dB
UHF 470-890 MHz	32-36 ± 2 dB*
Gain flatness	<1 dB within any ch.
Manual attenuation	0-20 dB

ALC

Max. output level BI/FMVHF	110 ± 2 dBμV (1 sign.)
Max. output level UHF	115 ± 2 dBμV (1 sign.)
Range band I	>50 dB
Range FM	>45 dB
Range VHF	>40 dB
Range UHF	>30 dB

3rd order intermodulation

Band I/FM/VHF/UHF	<60 dBc (ALC limited)
S; 8 ch, 105 dBμV	<60 dBc

Modulators

Frequency range	244-446 MHz
Output level, each channel	100 dBμV

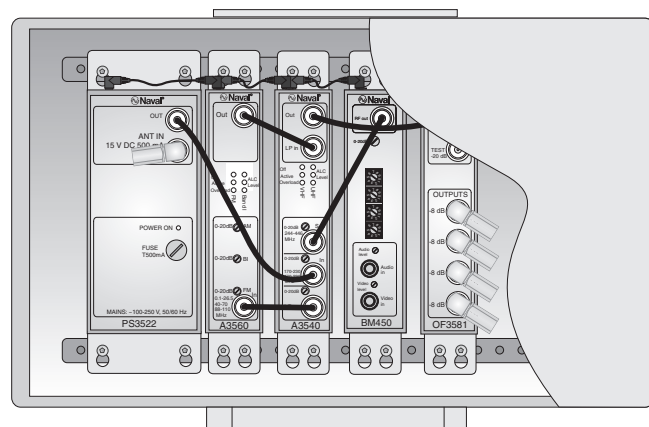
General

Number of outputs	4
Return loss	>20 dB**
Impedance	75Ω
Noise figure	<7 dB
Supply voltage	100-250 VAC
Supply current	max. 550 mA
Antenna voltage	15 V
Max antenna current	500 mA
Antenna cut-out relay	Yes
EMC	EN60945:2002, EN50083-2
Operational temp. range	-40 to +40°C

* 4 dB positive tilt

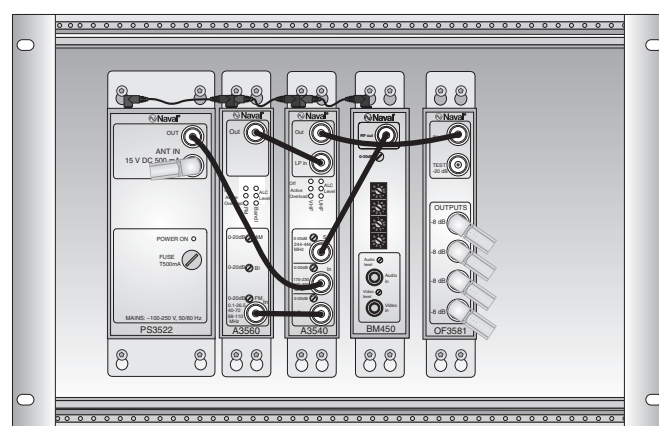
** At 40 MHz- 1.5 dB/octave

Cabinet mounted



CAS 3500/32-1AV Cassette Amplifier System

Subrack 19" mounted

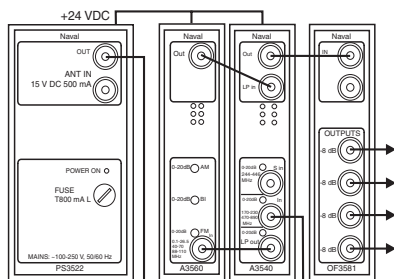


CAS 3500/32-1AV Cassette Amplifier System

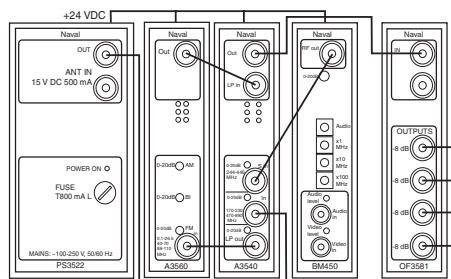
Ordering information

Item no	Description							
263510	CAS 3500/32 Headend, Cabinet mounted	263510						
263520	CAS 3500/32 Headend, Subrack 19" mounted	263520						
263511	CAS 3500/32-1AV Headend, Cabinet mounted	263511						
263521	CAS 3500/32-1AV Headend, Subrack 19" mounted	263521						
263514	CAS 3500/32-4AV Headend, Cabinet mounted	263514						
263524	CAS 3500/32-4AV Headend, Subrack 19" mounted	263524						
263518	CAS 3500/32-8AV Headend, Cabinet mounted	263518						
263528	CAS 3500/32-8AV Headend, Subrack 19" mounted	263528						
consist of:								
201364	Cabinet CA3050	1	1	1	1	1	1	1
201363	Subrack 19" for CAS / MOD (6Ux84HPx335D)	1	1	1	1	1	1	1
201845	PS3522 Power supply	1	1	1	1	1	1	1
201825	A3560 Amplifier (AM-FM-Band I)	1	1	1	1	1	1	1
201800	A3540 TV-Amplifier (Band II-V, S-Channel)	1	1	1	1	1	1	1
250145	BM 450 DSB Modulator for one (1) S-Channel					1	1	
250147	BM 4 DSB Modulator for four (4) S-Channel	2	2	1	1			
201840	OF3581 Output Filter	1	1	1	1	1	1	1
201513	Power Supply Cable, DC-DC Connecting Cable	4	4	3	3	3	3	2
201516	Coaxial Cable, BNC Male/Male 145mm (RG59/75 Ohm)	2	2	2	2	2	2	3
201523	Coaxial Cable, BNC Male/Male 250mm (RG59/75 Ohm)	1	1	3	3	3	3	2
201517	Coaxial Cable, BNC Male/Male 370mm (RG59/75 Ohm)	1	1					
201534	Coaxial Cable, BNC Male/F Male 300mm-450mm (RG59/75 Ohm)	3	3					
250336	2-Way Combiner/Splitter (40 - 2150 MHZ)	1	1					

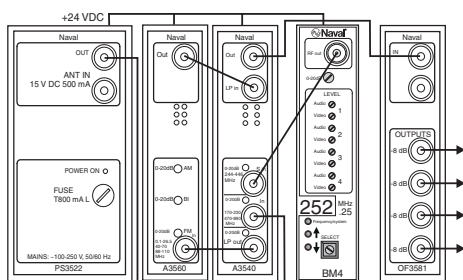
Configuration Headend



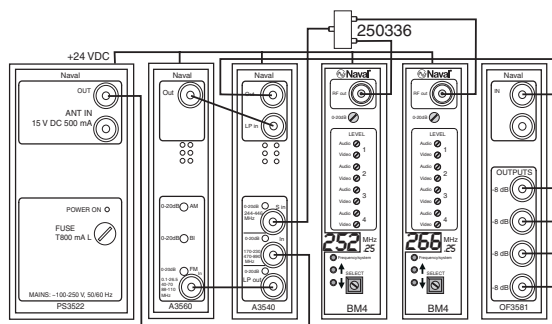
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CAS 3500/32-1AV Cassette Amplifier System



CAS 3500/32-4AV Cassette Amplifier System



CAS 3500/32-8AV Cassette Amplifier System

Not used outputs must be terminated with resistor 201519

Package details

Item no	Type of Package	Net Weight (kg)	Gross Weight (kg)	Dimensions, Primary Pack (LxWxH cm/vol. m ³)
263510	Carton	11.5	12.7	51x35x26 cm/0.046 m ³
263520	Carton	6.7	8.4	59x39x34 cm/0.078 m ³
263511	Carton	12.0	13.2	51x35x26 cm/0.046 m ³
263521	Carton	7.2	8.9	59x39x34 cm/0.078 m ³
263514	Carton	12.0	13.2	51x35x26 cm/0.046 m ³
263524	Carton	7.2	8.9	59x39x34 cm/0.078 m ³
263518	Carton	12.6	13.8	51x35x26 cm/0.046 m ³
263528	Carton	7.8	9.5	59x39x34 cm/0.078 m ³