

CALRAD

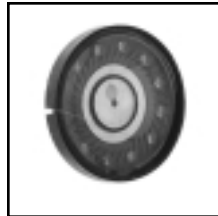
20 series - mini speakers

MINIATURE SPEAKERS WITH CLEAR PLASTIC CONES

With **clear plastic cones** for use as emitters, beepers, etc. (Imp.—8 ohms)

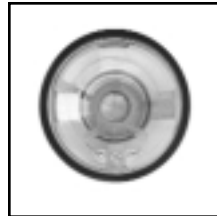
20-174

1.57" round,
7/16" deep,
60-10KHz
frequency
response,
120 mw. Plastic
frame.



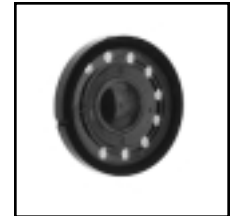
20-176

2" round,
1 1/16" deep,
200-4,000 Hz
frequency
response,
2 watts power.
Metal frame.



20-224A

1" round,
1/4" deep,
250-25KHz
frequency
response,
200 mw max
power. Plastic
frame.



20-175A

1 9/16" round,
3/16" deep,
200-30KHz
frequency
response,
300 mw. power.
Plastic frame and
black plastic
cone.



20-177

2 1/2" round,
1 5/16" deep,
60-8KHz
frequency
response,
2 watts max.
power. Metal
frame.



NEW & IMPROVED

20-224

1" round,
9/16" deep,
600-10KHz
frequency
response,
.1 watts power
rated. Plastic
frame.



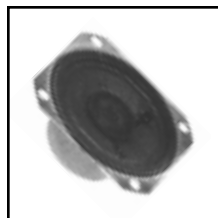
MINIATURE PM SPEAKERS

Designed for miniature equipment. Amazing tone quality in a small size speaker for transistor and all sub-miniature applications. Precision made, ideally suited for pocket radio, small amplifiers and most transistorized equipment.

Paper cones. (Imp.—8 ohms)

20-225

1 1/2" Square,
2" mount center,
5/16" deep,
400-5KHz
frequency
response, .1 watt
peak power.



20-225R

1 1/2" Round,
5/16" deep,
400-5KHz
frequency
response, .1 watt
peak power.



20-226

2" Round
3/4" deep,
150-5KHz
frequency
response,
.5 watt peak
power.

20-227

2 1/4" Round
3/4" deep,
150-5KHz
frequency
response,
.4 watt peak
power.

20-228

2 1/2" Round
1 3/16" deep,
150-5KHz
frequency
response,
.3 watt peak
power.

20-229

2 3/4" Round
7/8" deep,
150-5KHz
frequency
response,
.5 watt peak
power.

20-226, 20-227,
20-228, 20-229

CALRAD

20 series - speakers

20-301 3" - 45 ohm 2 watt SPEAKER

Excellent quality, used for many types of radios and intercoms. Mylar waterproof cone.

Specifications

Impedance 45 ohms
Power 2 watts
Size 3" width, 1 $\frac{3}{16}$ " depth
Cone Paper



20-233 4" UNIVERSAL REPLACEMENT SPEAKER

Heavy duty ceramic type magnet.

Specifications

Impedance 8 ohms
Power 2 watts
Size 4" width, 3 $\frac{1}{2}$ " mount center, 1 $\frac{7}{16}$ " depth
Cone Paper



20-231 3" SQUARE FRAME PM SPEAKER

Superior quality with high efficiency performance. Will improve tone quality of most radios or intercoms.

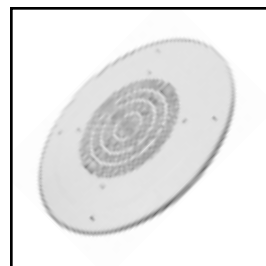
Specifications

Impedance 8 ohms
Power 2 watts
Frequency Response 100-10 KHz
Size 3" width, 3 $\frac{1}{2}$ " mount center, 1 $\frac{1}{4}$ " depth
Cone Paper



20-298 BEAUTIFUL WHITE ENAMEL CEILING GRILLE

8-inch speaker mounts to baffle by four nuts supplied. Mounts directly to ceiling or wall by wood screws, toggle bolts or mollies. (12 $\frac{7}{8}$ " diameter)



20-232 3 $\frac{1}{2}$ " SQUARE FRAME PM SPEAKER

Superior quality with high efficiency. For general replacement use. Rugged frame construction, selected cone for fine reproduction.

Specifications

Impedance 8 ohms
Power 2 watts
Frequency Response 100-10KHz
Size 3 $\frac{1}{2}$ " width, 4 $\frac{5}{16}$ " mount center, 1 $\frac{3}{16}$ " depth



20-250 WHISPER PILLOW SPEAKER

Inaudible except to the user. Low impedance type employing bone conduction principle, amazing fidelity bypassing the ear. Transmits sound to inner ear by direct contact. Connects to the voice coil side of output transformer, 3.5 mm plug. 6 $\frac{1}{2}$ foot cord. White color.



20-218 8" BACKGROUND MUSIC SPEAKER (with white ceiling grille)

Ideal for ceilings and wall mounting. Complete with 12 $\frac{3}{4}$ " dia. grille and 10 watt, 25 volt line transformer (10 oz. magnet). 70 volt available upon request.

20-218VC Same as 20-218, with volume control mounted in center of grille.



20-288 4" HEAVY DUTY PM SPEAKER

Extended range. Large, powerful ferrite magnet with acoustic suspension cone.

Specifications

Impedance 8 ohms
Power 16 watts
Frequency Response 80-15Khz
Size 4"W x 1.9"D / 3.2" mounting centers



20-280 COMMUNICATION SPEAKER

Used with CB radio, ham and general purpose communications. Made of high impact plastic for durability. Comes with mounting bracket and 6 ft. cord with molded 3.5mm plug. Black.

Specifications

Impedance 8 ohms
Power 5 watts max
Frequency Response 150-4KHz



20 series - paging horns

20-211 8" PUBLIC ADDRESS & PAGING HORN

Designed for all around use, either indoors or outdoors. Fully weatherproof. Locking metal swivel is provided for ease in mounting and adjustment. Outside edge has rubber sound dampening ring.

Specifications

Power 25 watts Bell Size 8 inches Round
 Frequency Response 300 Hz - 7 kHz Color Grey
 Impedance 8 ohms



20-215 OUTDOOR PAGING SPEAKER

Used in talk back systems, this weatherproof, trumpet design paging speaker gives extremely high sound level with low input power. Hams will find this speaker very useful in their mobile installations. Mounts under the hood or on the dash. Because of its sensitivity and high degree of intelligibility, it's ideal for paging systems in restaurants, office buildings, etc. Complete with adjustable mounting bracket.

Specifications

Impedance 8 ohms Size 2 5/8" x 3 3/4" x 2 3/8"
 Power 3 watts Color White



20-244 ECONOMY 5" PAGING SPEAKER & ALARM HORN

Rugged construction but lightweight. New design to compete in the low cost field. Completely weatherproof, white plastic, 180 degree swivel bracket. Excellent for CB, security or general paging systems.

Specifications

Impedance 8 ohms Horn Opening 5"
 Power 15 watts Overall Length 5 3/8"
 Frequency Response 400 Hz - 12 kHz Color White



20-310 OUTDOOR REFLEX HORN

Rugged high impact molded plastic, high power speaker expressly designed for high power alarm drivers. 30 watt power rating. Response 350-8000 Hz. Biege. Horn Dimensions: 4 3/4" x 8" x 9 1/4" deep. Color: white.

20-312 SIREN HORN

Same unit as 20-310 (above) except has built-in siren amplifier. Operates on 6-12 Vdc, our most powerful siren horn, has 3 wire hookup for yelp or steady sound. Horn Dimensions: 4 3/4" x 8" x 9 1/4" deep. Current Draw: 1.2 amps. White.

20-313 OUTDOOR HORN

Built in switching 25 + 70 volt line transformer.

Specifications

Input Power 20 watt normal, 30 watt peak Switching 70 volt line-2W, 4W, 8W, 16W
 Frequency Response 420 Hz - 15 kHz Watts 25 volt line-1W, 2W, 4W, 7.5W
 Color White



20-310, 20-312, & 20-313

20-311 HIGH POWER PAGING ALARM HORN

Metal swivel brackets provide numerous mounting angles both vertical and horizontal for ease in mounting. Plastic Horn—11" x 6 1/2" x 8 1/2" deep.

Specifications

Impedance 8 ohms Power 40 watts, max.
 Color Ivory



CALRAD

20 series - speaker systems

20-350 5.1 CHANNEL DOLBY DIGITAL SURROUND SOUND SYSTEM

Features Dolby digital (5.1 channel) Surround Sound and Dolby Pro-Logic (4 channel) Surround sound with 3 audio inputs and 2 digital inputs (optical/coaxial). Space saving design with discrete control unit and five small satellite speakers. Compact with a powerful subwoofer and 250 watt power amplifier. Remote controlled and connectable to DVD, VCR, LDP, CD-Rom, TV, PC and PC Notebook.

Amplifier Section

Power Output..... 250 Watts (Max)
 Front Left, Right 30W + 30 Watt
 Center 30 watt
 Surround Left, Right..... 30W + 30 Watt
 Sub Woofer 100 watt
 Digital Sensitivity / Impedance Coaxial 0.5V / 75 Ohm
 Analog input Sensitivity / Impedance 200mv / 47K
 Power Supply 110 - 117 Vac / 60Hz
 Digital Input Sampling Frequency 32, 44.1, 48KHz

Speaker Section

Front Left, Right / Surround Left, Right

Speaker..... 3" Magnetically Shielded
 Impedance..... 8 Ohm
 Frequency Response..... 150 Hz - 20 Khz
 Dimension..... W96 x H107 x D109mm

Center Channel

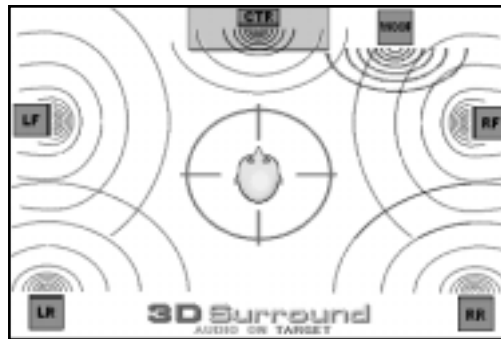
Speaker..... 3" Magnetically Shielded
 Impedance..... 8 Ohm
 Frequency Response..... 150 Hz - 20 Khz
 Dimension..... W278 x H107 x D127mm

Subwoofer

Speaker..... 6 - 1/2 Inch
 Impedance..... 4 Ohm
 Frequency Response 40Hz - 200Hz
 Dimension..... W348 x H249 x D257mm



NEW Item



20-425, 20-425U COMPUTER SPEAKER SYSTEM WITH SUBWOOFER AND AMPLIFIER

Detachable amplifier for desktop mounting, compact swiveled satellite speakers. The amplifier has volume, bass, treble controls with a 3.5mm stereo headphone jack. Total output power 55 watts. Available models, 25-425 analog input and 25-425U analog\USB inputs. Frequency response 50-20Khz. Dimensions: Amplifier section W2.5" x H6.5" x D8.5", Dimensions: Sub Woofer Section W7" x H6.5" x D8-1/4" Dimensions: Satellite Section, W2.5" x H6.5" x D3.5"



NEW Item

20-340/20-341 MULTIMEDIA FLAT SLIM SPEAKER SYSTEM

Compact and slim style for TFT, LCD monitor & notebook, home PC'S. Units snap together for easy transportation anywhere. Magnetically shielded design. 20-340 analog input 5+5 watts output, powered by DC adapter., 20-341 analog\USB input, 1+1 watts output, USB powered. Frequency response 250hz-20Khz. AC adapter 9V, 600Ma included. Dimensions: W3-11/32" x H7-3/4" x D1-9/16".



NEW Item

20 series - inwall speaker systems & stand alone speaker systems

20-330, 20-335 & 20-337 2-WAY FLUSH-MOUNT, IN-WALL SPEAKERS

Manufactured specifically for the demand of the HiFi sound enthusiast, our 3 Flush-Mount Speaker Systems are designed for easy installation in walls or ceilings, where conventional box speakers are undesirable. Now you can enjoy incredible sound in any room of your home or office, without need of additional floor or shelf space. Finished in white, they can be painted to blend into any decor. One pair per box.

Specifications for 20-330

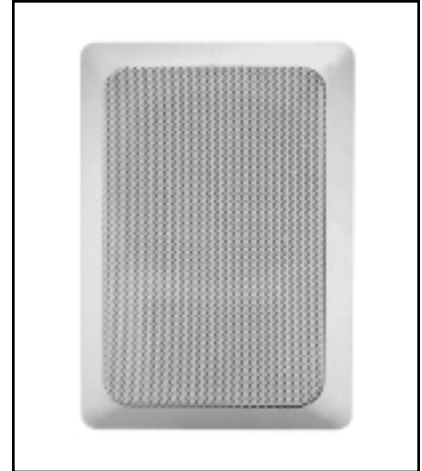
Woofer	5 1/4" Polypropylene Cone	Wattage.....	35 + 35 watts, peak
Tweeter	9/16" Mylar Dome	Impedance	indicated on speaker
Crossover Frequency	3 kHz	Over-all Dimensions	7 1/2" x 11"
Frequency Response	50 Hz-20 kHz	Cut-out Dimensions	6 1/4" x 9 3/4"

Specifications for 20-335

Woofer	6" Polypropylene Cone	Wattage.....	50 + 50 watts, peak
Tweeter	1" Soft Dome	Impedance	indicated on speaker
Crossover Frequency	2.5 kHz	Over-all Dimensions	8 5/8" x 12"
Frequency Response	40 Hz-20 kHz	Cut-out Dimensions	7 1/2" x 11"

Specifications for 20-337

Woofer	8" Polypropylene Cone	Wattage.....	60 + 60 watts, peak
Tweeter	1" Soft Dome	Impedance	8 ohms
Crossover Frequency	2.5 kHz	Over-all Dimensions	14 1/8" x 10 3/64"
Frequency Response	30 Hz-20 kHz	Cut-out Dimensions	12 3/4" x 8 9/16"

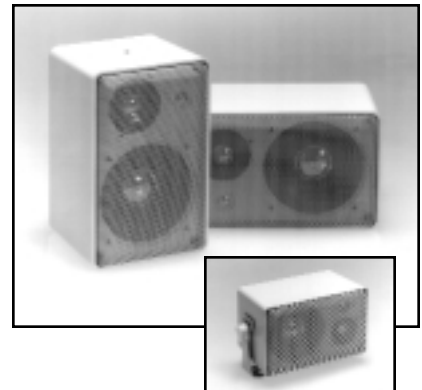


20-320-BK Black Finish 20-320-W White Finish 3-WAY WATER RESISTANT SPEAKER SYSTEM WITH MOUNTING BRACKET

This 3-way water resistant speaker is perfect for home or commercial applications. Light weight ABS plastic cabinet is ideal for indoor/outdoor use. All components have been selected for quality and durability. Size and sound reproduction of these speakers are perfect for all sound environments. Comes complete with mounting bracket (inset), hardware, and speaker cable. One pair per box.

Specifications

Color...	20-320-BK/black 20-230-W/white	Magnet.....	20 oz Magnet Circuit
Impedance.....	4/8 ohms	Dimensions ..(H) 7 1/2" x (W) 4 1/4" x (D) 4 1/2"	
Max Power.....	50 watts peak per speaker	Weight.....	3 lbs - 3 oz each speaker
Frequency Response	50 - 20 KHZ	Wire Hook-up....	Push on Terminals -red+black



20-321-BK, -W MINI SPEAKER SYSTEM

3", 2-way mini speaker system with weather resistant cones. Impedance: 4 ohms. Music power: 40 watts. Frequency response: 120Hz-20Khz. Dimensions: 6-1/2"L x 4"W x 4-1/4"D. Weight 3.6 lbs. each speaker. Mounting holes on rear of cabinet. Specify black or white.

20-322-BK, -W MINI SPEAKER SYSTEM

5.25", 2-way mini speaker system with weather resistant cones. Impedance: 4 ohms. Music power: 100 watts. Frequency response: 60Hz-20Khz. Dimensions: 9"L x 6"W x 6-1/2"D. Weight 3.9 lbs. each speaker. Mounting holes on rear of cabinet. Specify black or white.

20-323-BK, -W MINI SPEAKER SYSTEM

5.25", 2-way mini speaker system with weather resistant cones. Impedance: 4 ohms. Music power: 100 watts. Frequency response: 60Hz-20Khz. Dimensions: 9-1/4"L x 7-1/4"W x 5-3/4"D. Weight 3.9 lbs. each speaker. Mounting holes on rear of cabinet. Specify black or white.



NEW Item

CALRAD

20 series - speaker brackets

20-351 SPEAKER BRACKETS, 2 PIECES PER BOX

Wall\Shelftop speaker brackets for CALRAD 20-350 surround sound system. Mounts on the wall or table top. All hardware is included.

NEW Item



20-261-BK, -W SPEAKER BRACKETS

Completely adjustable ABS plastic brackets are weather resistant and come complete with hardware. Maximum load is 10 lbs.. Overall Height of 3". Rotation angle of 360° and a pivot angle of 40°. Specify black or white when ordering.

NEW Item



20-262-BK, -W SPEAKER BRACKETS

Completely adjustable ABS plastic brackets are weather resistant and come complete with hardware AND SAFETY CABLE. Maximum load is 16 lbs.. Overall Height of 6.75". Rotation angle of 360° and a pivot angle of 40-90°. Specify black or white when ordering.

NEW Item



20-263-BK, -W SPEAKER BRACKETS

Completely adjustable ABS plastic brackets are weather resistant and come complete with hardware. Maximum load is 10 lbs.. For use with Calrad 20-321-BK, -W speakers. Specify black or white when ordering.

NEW Item



20-264-BK, -W SPEAKER BRACKETS

Low profile speaker brackets for use with any speaker or Calrad 20-323-BK, 20-323-W speakers. Maximum load is 16 lbs. Includes all mounting hardware.

NEW Item



Use CALRAD products for all your A/V needs

