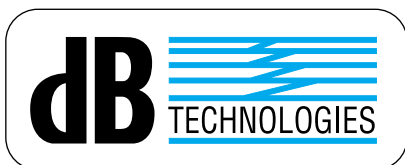


2003

PUBLIC ADDRESS
SYSTEMS

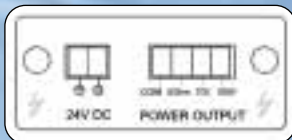


Mixer / Amplifiers



MUP 12.4

- Four channel mixer
- 120 Watt amplifier
- 24V external supply
- 70V/100 V/4 Ohm
- Two band EQ
- 19" rackmount



This range of mixer/ amplifiers from **dB Technologies** offers superb value for money. These rugged units are designed for free standing or rackmount applications and their convection cooling make them ideal for fixed site installations.

MUP 12.4

The **MUP 12.4** is a four channel mixer with 120 W/rms output. Housed in a full metal cabinet with supplied 19" rackmount ears, this 2U unit is ideal for Pubs, Restaurants and Retail outlets.

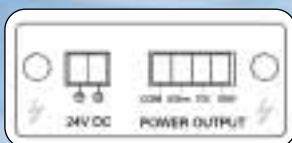
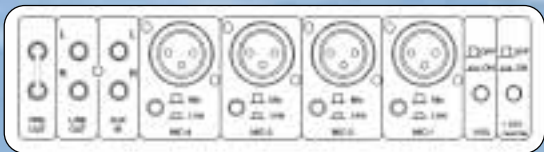
MUP 12.5

The **MUP 12.5** offers additional flexibility at the input stage where a larger number of microphone/ line inputs are required. Housed in a full metal cabinet with supplied 19" rackmount ears, this 2U unit is ideal for Pubs, Restaurants, retail outlets and Churches.



MUP 12.5

- Five channel mixer
- 120 Watt amplifier
- 24V external supply
- 70V / 100 V/4 Ohm
- Two band EQ
- 19" rackmount



MUP 4.3

Small mixing amplifier with 3 Inputs and priority function for MIC1. Can be powered with 12V battery or 110/230V mains.

UP 240

The **UP 240** is a flexible 240W/rms output amplifier. Its input facilities enable it to be used as a stand alone unit or where additional power is required as a slave amplifier. Housed in a full metal cabinet with supplied 19" rackmount ears, this 3U unit is suited for use in multi-zone installations.



UP 240

- 240 Watt amplifier
- 70V/100 V/4 Ohm
- 1 x bal. XLR line input
- 2 band EQ
- 24V external supply



MUP 4.3

- 3 Inputs
- 40 Watt
- 70V/100 V/4/8/16 Ohm
- 2 band EQ
- 12V or 110/230V supply

	MUP 12.4	MUP 12.5	UP 240
Power output	120W	120W	240W
Mains input voltage		110/230 V 50 Hz or 24 V DC	
Frequency response		50 – 18000 Hz	
Distortion		< 2% @ 1 KHz max. Power	
Signal-to-noise ratio Micro/Line	-45 dB	-45 dB	---
Signal-to-noise ratio Main	-50 dB	-50 dB	-50 dB
Input sensitivity Mic	1,4 mV	1,4 mV	---
Input sensitivity Line	260 mV	260 mV	260 mV
Phantom power (switchable)	Input 1	Input 1– 4	---
Output		70 V/100 V/4 Ohm	
Output connection		Spring clip	
Line output	1V rms	1V rms	----
Protection		thermal, short circuit	
Dimensions	88 x 427 x 240	88 x 427 x 240	133 x 482 x 380
Weight	9,9 kg	10 kg	14 kg

Integrated Mixer/Amp

CUP 12.1

This compact installation sound system combines a bunch of very useful features. With its 120W RMS output the CUP 12.1 provides more than enough power for smaller venues like Bars, Pubs, Restaurants, Lounges or even retail shops.

The unit has a CD Player and a Tuner built in. Up to 6 different Radio Stations can be stored on each of the 6 preset buttons. It provides 4 XLR inputs for the connection of microphones, PC Soundcards or other sound sources. These four inputs can be mixed via separate controls into the internal CD/Tuner path. Input 1 features priority function.

The main output signal can be trimmed with a 2 band EQ to adjust to various room acoustics.

Housed in an all metal case with rackmount capability, this unit features three types of protection and its convection cooling system ensures long term safe operation.

CUP 12.1

Power output	120 W RMS
Mains input voltage	110/230 V 50 Hz
Frequency response	50 – 15000 Hz
Distortion	< 0,1% @ 1 KHz
Signal-to-noise ratio mic/line	-92 dB
Signal-to-noise ratio Main Inputs	-75 dB
	4 x XLR bal.. MIC/Line (phantom power, switchable)
	2 x RCA phono
Line output	2 x Line Output 1V, unbal.
Input impedance Mic	1,5 mV
Input impedance Line	300 mV
Output	70 V/100V/4/8 Ohm
Output connection	Spring clips
Protection	thermal, short circuit
Dimensions	482 x 88 x 370
Weight	11,7kg
CD-Player	
Digital filter	8-time Oversampling
Distortion	< 0,02% @ 1 KHz
Signal-to-noise ratio	> 85 db
Frequency response	10 Hz - 20 KHz
Tuner	
Range	FM 87,5 - 108 MHz
Signal-to-noise ratio	FM 60 dB



CUP 12.1

- integrated CD-Player/Tuner
- 4 x XLR Input Mic/Line
- 120 W/rms
- 70V/100 V/4 Ohm
- 2 band EQ
- Pre-set memory function



Integrated Mixer/Amp

CUP 12.6 Z

The **CUP 12.6Z** is the perfect solution for background music and public address systems. This multi-function unit combines a 6 CD auto changer with cartridge operation, AM/FM tuner with station memory and a six channel mixer/ amplifier with 120W/RMS output.

Suitable for Pubs, Restaurants, Retail stores and Fast food chains, the **CUP 12.6Z** offers five balanced mic/ line inputs with individual EQ on each channel. Input 1 features Vox mic operation. Phantom Power of 48 V is provided and globally switchable.

The system can be connected to your telephone PDX and has a built-in chime and a double siren with adjustable volume for emergency.

This versatile unit also has an integrated 4-Zone Mixer for individual routing of the sound source to different rooms.

Housed in an all metal case with rackmount capability, this unit features three types of protection and full output metering. Its convection cooling system ensures long term safe operation.



CUP 12.6 Z

- 6 CD multi-changer with LCD display
- 4 x XLR mic/ line input with 2-Band eq per channel
- Chime & Siren, with external contact
- Tuner with LCD-Display
- Pre-set memory function
- 120 W/rms
- Announcement chimes
- 70V/100V/4/8 Ohm
- 19" rackmountable, 5 U

CUP 12.6 Z

Power output	120 W RMS
Mains input voltage	110/230 V 50 Hz
Frequency response	50 – 15000 Hz
Distortion	< 0,1% @ 1 KHz
Signal-to-noise ratio mic/line	– 60 dB
Signal-to-noise ratio Main	– 80 dB
Inputs	4 x XLR bal.. MIC/Line (phantom power, switchable) 2 x RCA phono
Line output	2 x Line Output 1V, 600 Ohm unbalanced
Input impedance Mic	1,5 mV
Input impedance Line	300 mV
Output	70 V/100V/4/8/16 Ohm
Output connection	Spring clips
Protection	thermal, short circuit
Dimensions	131 x 430 x 325
Weight	12,6kg

CD-Player

Digital filter	8-time Oversampling
Distortion	< 0,02% @ 1 KHz
Signal-to-noise ratio	> 85 db
Frequency response	10 Hz - 20 KHz
Anti-shock mounting	yes

Tuner

Range	FM 87,5 – 108 MHz
Signal-to-noise ratio	FM 60 dB



Speakers

M 50 T

This compact two way loudspeaker offers incredible price/ performance ratio and comes complete with a mounting bracket. Its compact size and performance make it perfect for all types of installation. Available in black or white.

M 90/M 90 T

These models offer Hi-Fi performance from a compact two way enclosure. There are two models: the **M 90**, a 4 ohm version or the **M 90 T** with 70/100V transformer input. Available in black or white with a range of optional mounting brackets.

M 100 T

The **M 100 T** features two phase corrected 5" loudspeakers which are ideal for applications where high intelligibility of speech is required. Both 100V line or low impedance operations are possible. Available in black or white with a range of optional mounting brackets.



M 90 T

- 2-way System
- 70/100 V
- 20 Watt
- 6,5" + 1"
- 100 – 18000 Hz
- Black or white



M 100 T

- Wideband system
- 70/100 V/4 Ohm
- 20 Watt
- 2 x 5"
- 80 – 15000 Hz
- 91 dB 1W/1m

M 50 T

- 2-way System
- 70/100 V
- 10 Watt
- 4" + 1"
- 150 – 18000 Hz
- Black or white



TS 2/TS 4
TS 6

- Metal cabinet/front grill
- 70/100V
- Captive cable
- Supplied with wall mounting bracket kit

TS 2

The **TS 2** has two 3" loudspeakers with a power handling of 20 W and its compact size is perfect for demanding installations.

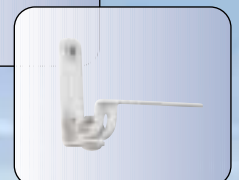
TS 4

The **TS 4** has four 3" loudspeakers and a power handling of 40 W.

TS 6

The **TS 6** is a two way system using six 3" loudspeakers and a 1" high frequency driver. It has six output level positions ranging from 15 to 60W. This loudspeaker has exceptional directional characteristics and a wide frequency range. All of the TS series are supplied with mounting brackets.

Wallmount
WB 03



Wallmount
WB 03 W



Stand adapter
SN 120

	M 50 T	M 90	M 90 T	M 100 T
Input (Music)	30 W	90 W	60 W	100 W
Input (RMS)	10 W	45 W	20 W	20 W
Frequency response	150 Hz – 18 KHz	50 Hz – 20 KHz	100 Hz – 18 KHz	80 Hz – 15 KHz
Sensitivity 1W/1M	86 dB SPL	88 dB SPL	89 dB SPL	91 dB SPL
Loudspeaker	1 x 4"	1 x 6,5"	1 x 6,5"	2 x 5" w/ mechanical phase correction
Connection type	Spring clip	1" Soft-Dome	1" Soft-Dome	Spring clip
Impedance	70V/100V	Spring clip	Spring clip	70/100V/40hm
Dimensions	138x125x208	4 or 16 Ohm	70/100V/40hm	70/100V/40hm
Weight	2,6 kg	195 x 195 x 317	195 x 195 x 317	195 x 195 x 317
		2,8 kg	3,2 kg	3,8 kg

Speakers



CS 5 / CS 6
CS 5C / CS 6C

- Fast and easy installation
- Rear cone protection
- 70V/100V
- 3/6 Watt/RMS
- Non-flammable
- Full range
- 2-way coaxial (CS5C/CS6C)



HS 1 P

- ABS housing
- Weather proof
- 350 – 6000 Hz
- 35 Watt
- 125 dB max. SPL
- Supplied with mounting brackets for quick installation



MH 2

- 4 W output
- dynamic microphone
- Volume control
- Weather proof housing
- Strap included
- With siren



MH 4

- 12 W output
- dynamic microphone
- Weather proof housing
- With siren
- Strap included



MH 6

- 20 W output
- External microphone
- Weather proof housing
- Shoulder Strap included
- With siren



HS 1 A

- Aluminum housing
- Weather proof
- 500 – 5000 Hz
- 10 Watt
- 110 dB max. SPL
- Supplied with mounting brackets

	CS 5	CS 5C	CS 6	CS 6C	HS 1 A	HS 1 P
Type	Full Range	2-Weg Coax	Full Range	2-Weg Coax	Horn	Horn
Input	70/100 V	70/100 V	70/100 V	70/100 V	70/100 V	70/100 V
Components	5"	5,25"+1"	6,5"	6"+1"	-	-
Power	6 Watt	6 Watt	6 Watt	6 Watt	10 Watt	35 Watt
Frequency response	110 – 18000Hz	100 – 20000Hz	80 – 10000Hz	80 – 20000Hz	500 – 5000Hz	350 – 6000Hz
Sensitivity 1W/1m	90 dB SPL	91 dB SPL	92 dB SPL	92 dB SPL	max. 110 dB SPL	max. 125 dB SPL
Dimension (mm)	180 x 51	198 x 55	245 x 66	245 x 66	300 x 370	260 x 150 x 330
Hole dimension (mm)	151	166	216	216	--	--
Weight	680 g	780 g	1020 g	1060 g	2,8 kg	3,5 kg

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