

**RDS  
USB**



FM/AM-Tuner module

Technical data	TP-10 USB
Wavebands	FM 87,5 to 108,0 MHz and AM 522 to 1.620 kHz
Antenna inputs	75 ohms unbalanced; with coax-jack and antenna
Sensitivity	FM: 2 µV; AM: 4,5 µV
S/N	FM: 60 dB; AM: 45 dB
Dimensions (WxHxD) / Weight	194 x 40 x 84 mm; approx. 0,25 kg

**FM/AM-Tuner module** ..... **TP-10 USB**

### Description

The TP-10USB FM/AM tuner module has been especially developed for installation in the compartment provided for this purpose on the PA center. The modules can be installed very easily. The required fasteners and connectors as well as detailed installation instructions are supplied with.

- The modules can also be installed in any other device (amplifier, central audio unit, etc...).
- The tuner has 24 pre-sets, 3 x 6 for FM and 1 x 6 for AM.
- Tuning and programming is performed with the respective buttons.
- USB Interface

**DAB  
RDS  
USB**



DAB/DAB+/FM-RDS Internet-Radio Module

Technical data	TP-200 IR
Power supply	17V DC, via PA Center
Display	LCD graphic display, menu guidance and time display
Empfangsbereiche	FM 87,5 to 108,0 MHz and DAB 174,928 to 239,200 MHz
Ausgangsaudiopegel	0 dBm / 600 ohms
Audio formats	MP3, AAC, WMA, WAV, FLAC
Dimensions (WxHxD) / weight	194 x 40 x 113 mm; ca. 0,36 kg

**DAB Internet-Radio Module**..... **TP-200 IR**

### Description

The DAB / DAB + Internet radio module is suitable for installation in the corresponding empty field of the small central units or module carriers. It offers access to the digital radio world and podcasts via the Internet.

- The device has an RJ-45 network socket (LAN) and a separate FM antenna connection.
- Graphic display showing the playing time, track numbers, functions, audio levels and player modes.
- Play various audio files from a USB stick or an external USB hard disk.
- Automatic time update and Alarm function.

**RDS  
MP3  
USB**



MP3/CD player and FM/AM tuner module

Technical data	CDR-10 USB
Tuner section	Analogous to the TP-10RDS FM/AM tuner module described on the next page
CD/MP3-player section	Analogous to the CDP-10USB CD player module described above
Dimensions (WxHxD)	194 x 40 x 200 mm
Weight	approx. 1,0 kg

**CD/MP3 player and tuner module (RDS)** ..... **CDR-10 USB**

### Description

The CDR-10USB MP3/CD player and FM/AM tuner module has been especially developed for installation in the compartment provided for this purpose on the PA centers. However, it is also possible to install the module in other devices such as amplifiers, central audio units, etc. The respective installation instructions are supplied with the device.

- The features of the CD player section are identical with the CDP-10USB module above.
- The features of the tuner section are the same as the ones of the TP-10USB module described above.
- USB interface

## Description

The digital text module DMT-10 is suitable for installation in the empty compartment of the small central unit or the Modular Pre-Amplifier ME-2A.

- 6 memory texts can be selected via buttons, external contacts or desk mic.
- Timer function for 26 texts / signals with weekly function
- Connecting a radio receiver DCF-77 to control the internal quartz clock (summer and winter time).
- Connecting an alarm contact for a priority signal with priority function.
- Recording capability on the front side LINE signal or dynamic microphone.
- Uploading the texts as mp3 on a microSD-card.



Digital-Text module with Timer

Technical data	DMT-10
Power supply	15V – 18V DC, via PA center
Display	LCD display, two lines; Menu navigation and time display
Inputs	MIC: -50dB/600Ohms, LINE: -10dB/10kOhms unbal.
Outputs	Audio Out: -10dB unbal.; Headphone jack 3,5mm; jack: 24mW >- 64 ohms
Media	microSD-Card, internal memory
Storage capacity	M1 – M6 each 2176 kB (360 sec.); VOICE1 – VOICE20 each 128 kB (23 sec.)
Dimensions (WxHxD) / weight	194 x 40 x 85 mm; 0,27 kg

Digital text module with timer ..... **DMT-10**

Radio receiver DCF-time, 3-wire version ..... **DMF-077**

## Description

The BT player module BM-10U is suitable for installation in the corresponding empty field of the small central units or module carriers.

- Direct audio transmission via BT from PC, tablet or smartphone.
- Play various audio files from an SD card, a USB stick or an external USB hard disk.
- All functions can also be controlled via the supplied remote control.
- Graphic display showing the playing time, track numbers, functions, audio levels and player modes.



For audio transmission from smartphone, tablet or PC, incl. Remote control

Technical data	BM-10U
Power supply	12V DC, via PA Center
Display	LCD graphic display, menu guidance and time display
Inputs	SD-Card, USB-Port (Stick, HD or PC), BT (Audio)
Power consumption	40 mA
Dimensions (WxHxD)	194 x 40 x 53 mm
Weight	0,2 kg

BT-Player module, USB-Port/SD-Card, Remote ..... **BM-10U**

## Description

The CDP-10USB CD/mp3 player module has been especially developed for installation in the compartment provided for this purpose on the PA centers. However, it is possible to install the module in any other device such as amplifiers, central audio units, etc.

The respective installation instructions are supplied with the device.

- The device features „repeat play“ and „random play“ functions.
- Other functions included are „intro scan play“ and „cue review“.
- Playing mp3 CD's.
- USB interface



USB CD/mp3 player module

Technical data	CDP-10USB
S/N – THD	Better than 85 dB – less than 0,03 % (1 kHz)
Frequency range	10 Hz – 20.000 Hz (± 1 dB)
Digital-Filter	8x over sampling
Loading Time	6 sec.
Dimensions (WxHxD) / Weight	194 x 40 x 200 mm; approx. 1,0 kg

CD/MP3 Player module ..... **CDP-10USB**