



Digital text module

Technical data	DM-10
Inputs	MIC: -50 dB/600 ohms, unbalanced, switchable to LINE: -10 dB/10 kohms, unbalanced
Outputs	AUDIO-Out: -10 dB unbalanced., HEADPHONE-Out: 24 mV approx. 64 ohms
Remote control	10-pin connector, M1 - M6, start/stop, repeat/stop, busy
Power supply	15 V DC up to approx. 17 V DC, consumption 100 mA, 80 mA in stand-by mode
Frequency response	MIC: 300 Hz - 6.5 kHz, LINE: 100 Hz ~ -6.5 kHz
Dimensions and weight	194 mm (W) x 40 mm (H) x 125 mm (D), weight approx. 0.4 kg

**Digital text module** ..... **DM-10**

### Description

The DM-10 digital announcement module has been especially developed for installation in the compartment provided for this purpose on the PA centers. However, it matches very well with any other device such as amplifiers, central audio units, etc. The respective installation instructions are supplied with the device.

- 6 texts can be programmed at a total recording and playing time of 4 min. 28 s (16 Mbit) is available.
- The integrated back-up battery ensures data storage for up to 60 days.
- A 4-bit ADPCM sound LSI with a sampling frequency of 16 kHz provides best sound quality.



CD player module

**MP3**

Technical data	CDP-10 M
S/N - THD	Better than 85 dB - less than 0.03 % (1 kHz)
Frequency response	10 Hz - 20000 Hz (± 1 dB)
Digital filter	8 times over-sampling
Loading time	6 s
Dimensions and weight	194 mm (W) x 40 mm (H) x 215 mm (D), weight approx. 1.3 kg

**CD/mp3 player module** ..... **CDP-10 M**

### Description

The CDP-10M 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".
- The CD/mp3 player module can also be remote-controlled.
- **Playing mp3 CD's.**



CD player and tuner module

**MP3 RDS**

Technical data	CDR-10 RDS
Tuner section	Analogous to the TP-10 FM/AM tuner module described on the next page
CD player section	Analogous to the CDP-10 CD player module described above
Dimensions	194 mm (W) x 40 mm (H) x 215 mm (D)
Weight	approx. 1.4 kg

**CD/mp3 player and tuner module (RDS)** ..... **CDR-10 RDS**

### Description

The CDR-10RDS 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-10M module above.
- The features of the tuner section are the same as the ones of the TP-10 module described above.
- The module can be installed in any device such as audio amplifiers.

## Description

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

- The modules can also be installed in any other device (amplifier, central audio unit, etc.).
- The tuner has 18 presets, 2 x 6 for FM and 1 x 6 for AM.
- Tuning and programming is performed with the respective buttons.



FM/AM tuner module

### Technical data TP-10

Wavebands	FM 87.5 to 108.0 MHz and AM 522 to 1.620 kHz
Antenna inputs	FM: 300 ohms balanced or 75 ohms unbalanced; AM: wire antenna
Sensitivity	FM: 2 $\mu$ V; AM: 4.5 $\mu$ V
S/N	FM: 60 dB; AM: 45 dB
Dimensions and weight	194 mm (W) x 40 mm (H) x 120 mm (D), weight approx. 0.6 kg

FM/AM tuner module ..... **TP-10**

## Description

The CP-10 cassette player module has been especially developed for installation in the compartment provided for this purpose on the PA centers. The modules can be installed very easily. The required fasteners and connectors as well as detailed installation instructions are supplied with the devices.

- The modules can also be installed in any other device (amplifier, central audio unit, etc.).
- The player features "AUTO REVERSE" and fast forward/rewind.
- Playback can be interrupted by means of a pause button.



Cassette player module

### Technical data CP-10

S/N	60 dB
Wow & flutter	better than 0.35 %
Frequency response	100 Hz -7000 Hz ( $\pm$ 3 dB)
Tape speed	4.76 cm/s., fast forward/rewind approx. 180 s.
Dimensions and weight	194 mm (W) x 40 mm (H) x 150 mm (D), weight approx. 0.9 kg

Cassette player module ..... **CP-10**

## Description

The CR-10 cassette player/tuner module has been especially developed for installation in the compartment provided for this purpose in the PA centers. The modules can be installed very easily. The required fasteners and connectors as well as detailed installation instructions are supplied with the devices.

- The modules can also be installed in any other device (amplifier, central units, etc.).
- The features of the FM/AM tuner are identical with the ones of the TP-10 module described above.
- The features of the "AUTOREVERSE" cassette section are analog with the CP-10 module.



Cassette player/tuner module

### Technical data CR-10

Tuner section	Analog to the TP-10 FM/AM tuner module described above
Cassette player section	Analog to the CP-10 "Auto Reverse" cassette player module described above
Dimensions	194 mm (W) x 40 mm (H) x 150 mm (D)
Weight	approx. 1.2 kg

Cassette player/tuner module ..... **CR-10**