Skyco TECHNOLOGIES

AUDIO DATASHEET
DS-PA-05 · Rev A · November 2026

COMMERCIAL PA · MIXER AMPLIFIER

T-B650DTB

Mixer amplifier, 650 W

A 650 W 1U rack mixer amplifier with MP3, FM and Bluetooth, four mic inputs and an emergency input, for medium background music and paging systems.

650 W · 1U rack · MP3 · FM · Bluetooth · 24 V backup



650 W	1U	4 + 2	4.3 kg
RMS output	Rack height	Mic and AUX inputs	Weight

650 W in one rack unit. Music, paging and backup power.

The T-B650DTB is a 650 W Class D mixer amplifier in a single rack unit. A built-in player handles MP3, WMA, FLAC, WAV and AAC from USB or TF card, plus FM and Bluetooth, with song names on the LCD. Four balanced mic inputs with phantom power, two AUX and an EMC input feed a 100 V line or 4–16 Ω speakers.

Media player
USB and TF playback, FM and Bluetooth, with an LCD and remote.

Four balanced mics
Phoenix inputs with 48 V phantom power.

EMC priority
EMC › MIC 1 › MIC 2–3 › AUX for announcements first.

Class D, 650 W
Efficient switching supply and variable-speed fan.

24 V backup
Optional 24 V DC backup supply switches over without delay.

100 V or 4–16 Ω
Drive a 100 V line or low-impedance speakers.

APPLICATIONS

Supermarkets · Shopping centres · Schools · Offices · Restaurants · Places of worship

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Specifications. Every input, output and rating.

AMPLIFIER

RMS power	650 W
Outputs	100 V line, 4–16 Ω
Frequency response	80 Hz – 16 kHz (+1, –3 dB)
THD	< 0.5% (1 kHz, 1/3 rated power)
SNR	MIC 66 dB, AUX 80 dB
Channel crosstalk	≥ 50 dB
Tone	Bass ±10 dB at 100 Hz, treble ±10 dB at 10 kHz

INPUTS AND OUTPUTS

MIC 1–4	5 mV / 600 Ω balanced, Phoenix
Phantom power	48 V (±2 V)
AUX 1–2	350 mV / 10 kΩ, RCA
EMC	775 mV / 10 kΩ, Phoenix
MIX OUT	1000 mV / 470 Ω, RCA
Priority	EMC > MIC 1 > MIC 2–3 > AUX

MEDIA

Player	USB and TF: MP3, WMA, APE, FLAC, WAV, AAC
Tuner and Bluetooth	FM tuner, Bluetooth
Display and remote	LCD with song names, remote control

POWER AND PHYSICAL

Power supply	AC 220–240 V, 50 Hz; optional 24 V DC backup
Power consumption	150 W (1/8 power)
Cooling	Fan, variable speed
Protection	Overheat, overload, short circuit
Dimensions	484 × 300 × 44 mm (1U)
Weight	4.3 kg

WORKS WITH

Zoning option	TI-5006S six-zone amplifier
Speakers	SK-803W, SK-5C
Paging mic	T-511C

MANUFACTURER

Brand	ITC

Specifications are typical values and may change without notice. Skyco confirms the final configuration with your quote.

Talk to our audio team.

We design the zones, size speakers and amplifiers to 100 V line practice, supply the system and support it.

1. **Design the zones**
2. **Quote**
3. **Supply**
4. **Install**
5. **Support**

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