



## TOURING12A

Active loudspeaker, D-class bi-amp, 2-way 1000W+400W, 129dB SPL

- Low frequency: 12" neodymium woofer/3" v.c.
- High frequency: 1.4" driver/3" v.c.
- Frequency response: 50-18000 Hz (±3dB)
- Excellent clarity in the reproduction of voice and music for live and recorded performances
- Installed into theatres and congress halls owing to excellent acoustic performance
- Birch plywood enclosure, designed for stage-monitor application
- DSP with 4 presets (full range-HPF-coupling-monitor) for selection of optimal frequency response

## TOURING12P

2-way passive loudspeakers, 500W AES, 129db SPL

- Low frequency: 12" neodymium woofer/3" v.c.
- High frequency: 1.4" driver/3" v.c.
- Frequency response: 55-18000 Hz (±3dB)
- Excellent clarity in the reproduction of voice and music for live and recorded performances
- Installed into theatres and congress halls owing to excellent acoustic performance
- Birch plywood enclosure, designed for stage-monitor application

# TOURING12



12" Nd



1,4"



DIGITAL AMP\*



DSP\*



80°x50°



RIGGING



HORN ROTATION



DEDICATED PRESET\*\*

### TOURING12A TECHNICAL DATA

#### LOUDSPEAKERS

- System type: active 2 way

#### COMPONENTS

- Low frequency: 12" neodymium woofer / 3" v.c.
- High frequency: 1.4" driver/3" v.c.

#### FEATURES

- Built-in amp LF/HF: 1000+400W
- SPL max: 131dB @1m (free field)

#### ACOUSTICAL SPECIFICATIONS

- SPL cont/peak: 125/131dB @1m (free field)
- Frequency response: 50-18000Hz (±3dB)
- Coverage angle HxV: 80°x50°
- Cross over frequency: 1200Hz

#### ELECTRONICS

- Amplifier: digital
- Input sensitivity: 4 dBu (1,228V/rms) adjustable
- Protection: RMS limiter, fast limiter, temp.
- User controls: full range-HPF-coupling-monitor
- Processor: DSP
- Operating voltage/frequency: 220 V ±10%, 50 Hz

#### INPUT/OUTPUT CONNECTORS

- Input signal: XLR IN/OUT
- Power connection: powerCON IN/OUT

#### CABINET CONSTRUCTION

- Cabinet material: 18mm birchplywood
- Suspension system: eyebolt, fly track, 35 mm pole mount
- Angle: 50-30° monitor applications
- Handles: 2 on side

#### PHYSICAL

- Dimensions (WxHxD): 395x620x375mm
- Weight: 30kg

### TOURING12P TECHNICAL DATA

#### LOUDSPEAKERS

- System type: passive 2 way

#### COMPONENTS

- Low frequency: 12" neodymium woofer / 3" v.c.
- High frequency: 1.4" driver/3" v.c.

#### FEATURES

- AES/program power: 500/1000W
- SPL max: 131dB @1m (free field)

#### ACOUSTICAL SPECIFICATIONS

- Sensitivity: 100dB
- Impedance: 8 Ohm
- SPL cont/peak: 125/131dB @1m (free field)
- Frequency response: 55-18000Hz (±3dB)

- Coverage angle HxV: 80°x50°
- Cross over frequency: 1200Hz
- Protection: H.F. signal compression
- Suggest HPF range: 80/120Hz
- Recommended amplifier up to: 1000W /8Ohm

#### INPUT/OUTPUT CONNECTORS

- Input signal: Neutrik NL4 IN/OUT

#### CABINET CONSTRUCTION

- Cabinet material: 18mm birchplywood
- Suspension system: eyebolt, fly track, 35 mm pole mount
- Angle: 50-30° double angle
- Handles: 2 on side

#### PHYSICAL

- Dimensions (WxHxD): 395x620x375mm
- Weight: 28.5kg

\*active version only

\*\*passive version only



## TOURING15A

Active loudspeaker, D-class bi-amp, 2-way 1000W+400W, 131dB SPL

- Low frequency: 15" neodymium woofer/3" v.c.
- High frequency: 2" driver/3" v.c.
- Frequency response: 45-18000 Hz ( $\pm 3$ dB)
- Excellent clarity in the reproduction of voice and music for live and recorded performances
- Installed into theatres and congress halls owing to excellent acoustic performance
- Birch plywood enclosure, designed for stage-monitor application
- DSP with 4 presets (full range-HPF-coupling-monitor) for selection of optimal frequency response

## TOURING15P

2-way passive loudspeakers, 500W AES, 131db SPL

- Low frequency: 15" neodymium woofer/3" v.c.
- High frequency: 2" driver/3" v.c.
- Frequency response: 50-18000 Hz ( $\pm 3$ dB)
- Excellent clarity in the reproduction of voice and music for live and recorded performances
- Installed into theatres and congress halls owing to excellent acoustic performance
- Birch plywood enclosure, designed for stage-monitor application

# TOURING15



15" Nd



2"



DIGITAL AMP\*



DSP\*



90°x60°



RIGGING



HORN ROTATION



DEDICATED PRESET\*\*

### TOURING15A TECHNICAL DATA

#### LOUDSPEAKERS

- System type: active 2 way

#### COMPONENTS

- Low frequency: 15" neodymium woofer / 3" v.c.
- High frequency: 2" driver/3" v.c.

#### FEATURES

- Built-in amp LF/HF: 1000+400W
- SPL max: 131dB @1m (free field)

#### ACOUSTICAL SPECIFICATIONS

- SPL cont/peak: 125/131dB @1m (free field)
- Frequency response: 45-18000Hz ( $\pm 3$ dB)
- Coverage angle HxV: 90x60°
- Cross over frequency: 1100Hz

#### ELECTRONICS

- Amplifier: digital
- Input sensitivity: 4 dBu (1,228Vrms) adjustable
- Protection: RMS limiter, fast limiter, temp.
- User controls: full range-HPF-coupling-monitor
- Processor: DSP
- Operating voltage/frequency: 220 V  $\pm 10\%$ , 50 Hz

#### INPUT/OUTPUT CONNECTORS

- Input signal: XLR IN/OUT
- Power connection: powerCON IN/OUT

#### CABINET CONSTRUCTION

- Cabinet material: 18mm birchplywood
- Suspension system: eyebolt, fly track, 35 mm pole mount
- Angle: 45-30° monitor applications
- Handles: 4 on side

#### PHYSICAL

- Dimensions (WxHxD): 430x755x405mm
- Weight: 34kg

### TOURING15P TECHNICAL DATA

#### LOUDSPEAKERS

- System type: passive 2 way

#### COMPONENTS

- Low frequency: 15" neodymium woofer / 3" v.c.
- High frequency: 2" driver/3" v.c.

#### FEATURES

- AES/program power: 500/1000W
- SPL max: 131dB @1m (free field)

#### ACOUSTICAL SPECIFICATIONS

- Sensitivity: 99dB
- Impedance: 8 Ohm
- SPL cont/peak: 125/131dB @1m (free field)
- Frequency response: 50-18000Hz ( $\pm 3$ dB)
- Coverage angle HxV: 90x60°
- Cross over frequency: 1100Hz
- Protection: H.F. signal compression
- Suggest HPF range: 80/120Hz
- Recommended amplifier up to: 1000W /80hm

- Input signal: Neutrik NL4 IN/OUT

#### INPUT/OUTPUT CONNECTORS

- Input signal: Neutrik NL4 IN/OUT

#### CABINET CONSTRUCTION

- Cabinet material: 18mm birchplywood
- Suspension system: eyebolt, fly track, 35 mm pole mount
- Angle: 50-30° monitor applications
- Handles: 2 on side

#### PHYSICAL

- Dimensions (WxHxD): 430x755x405mm
- Weight: 32.5kg

\*active version only

\*\*passive version only