

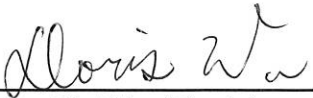
AUDIO - TECHNICA TAIWAN CO., LTD.

TECHNICAL CONSTRUCTION FILE
TCF NO. ATTWCE-HP140318001

PRODUCT

ATH-M20x/30x/40x/50x
HEADPHONE

Audio-Technica Taiwan Co., Ltd.
No.6, Lane 322, Sec. 2, Fuda Rd.,
Jhongli-city, Taoyuan-county, Taiwan 32050

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Section 1

INTRODUCTION

This product complies with the EMC directive 2004/108/EC and the Restriction of the use of certain Hazardous Substances (RoHS) Directive 2011/65/EU.

Models was tested as per TUV RHEINLAND TAIWAN LTD. test report number TWR1309002001 was conducted.

In order to demonstrate due diligence the manufacturer has chosen to compile this product Technical Construction File with assistance from TUV RHEINLAND TAIWAN LTD.

As the manufacturer has chosen to Self Declare, this Technical File has not been assessed by a Competent Body under the Technical Construction File route to conformity.

The Product identified in Section 2 has been assessed against the following specifications.

Product family standards for audio, video, audio-visual and entertainment lighting control apparatus for professional use.

Applied standard

EN 55103:2001 EMC:EMI

EN 55020:2007 EMC:EMS

EN50581:2012 RoHS

Section 2

IDENTIFICATION OF PRODUCT

- 2.1 Brand Name : audio-technica
- 2.2 Model number :
ATH-M20x/30x/40x/50x
HEADPHONE
- 2.3 Name and address of agent: (UK and Europe)
Audio-Technica Limited
Technica house
Unit 5, Millennium Way
Leeds, LS11 5AL , U.K.
- 2.4 Description of intended function:
Three switchable polar patterns: omni, cardioid, figure-of-eight.
Dual-diaphragm capsule design maintains precise polar pattern definition across the full frequency range of the microphone.
Switchable 80 Hz high-pass filter and 10Db pad.
State-of-the-art surface-mount electronics ensure compliance with A-T's stringent consistency and reliability standards.
Dual large diaphragms are gold-vaporized and aged to achieve optimum characteristics over years of use.
- 2.5 Environmental limitations

The apparatus is designed primarily for indoor use. However should the apparatus be used out of doors it should not be subjected to extremes of temperature (below -10°C or above 43°C) or extremely high humidity. This may result in gradual and permanent reduction of output level.
- 2.6 Quality Management System:
The company operates a quality system under EN ISO

9001:2008&14001:2004, refer to attached assessment schedule.

2.7 Category of EEE covered by RoHS directive
: 4. Consumer equipment

Section 3

DESCRIPTION of the PRODUCT

		ATH-M20x
Type	Closed-back dynamic	
Driver Diameter	40 mm	
Magnet	Neodymium	
Voice Coil	Copper-clad aluminum wire	
Frequency Response	15 - 20,000 Hz	
Maximum Input Power	700 mW at 1 kHz	
Sensitivity	96 dB	
Impedance	47 ohms	
Weight	190 g (6.7 oz), without cable and connector	
Cable	3.0 m (9.8'), straight, left-side exit	
Accessory included	6.3 mm (1/4") snap-on adapter	

		ATH-M30x
Type	Closed-back dynamic	
Driver Diameter	40 mm	
Magnet	Neodymium	
Voice Coil	Copper-clad aluminum wire	
Frequency Response	15 - 22,000 Hz	
Maximum Input Power	1,300 mW at 1 kHz	
Sensitivity	96 dB	
Impedance	47 ohms	
Weight	220 g (7.8 oz), without cable and connector	
Cable	3.0 m (9.8'), straight, left-side exit	
Accessories Included	Protective carrying pouch, 6.3 mm (1/4") screw-on adapter	

		ATH-M40x
Type	Closed-back dynamic	
Driver Diameter	40 mm	
Magnet	Neodymium	
Voice Coil	CCAW (Copper-clad aluminum wire)	
Frequency Response	15 - 24,000 Hz	
Maximum Input Power	1,600 mW at 1 kHz	
Sensitivity	98 dB	
Impedance	35 ohms	
Weight	240 g (8.5 oz), without cable and connector	
Cable	Includes two interchangeable cables: detachable 1.2 m - 3.0 m (3.9' - 9.8') coiled cable and detachable 3.0 m (9.8') straight cable	
Accessories Included	Protective carrying pouch, 6.3 mm (1/4") screw-on adapter	

Type	Closed-back dynamic	ATH-M50x
Driver Diameter	45 mm	
Magnet	Neodymium	
Voice Coil	CCAW (Copper-clad aluminum wire)	
Frequency Response	15 - 28,000 Hz	
Maximum Input Power	1,600 mW at 1 kHz	
Sensitivity	99 dB	
Impedance	38 ohms	
Weight	285 g (10 oz), without cable and connector	
Cable	Interchangeable cables: detachable 1.2 m - 3.0 m (3.9' - 9.8') coiled cable, detachable 3.0 m (9.8') straight cable and detachable 1.2 m (3.9') straight cable	
Accessories Included	Protective carrying pouch, 6.3 mm (1/4") screw-on adapter	

Section 4

RESULT of EMC TESTING UNDERTAKEN

Refer to enclosed test report No. TWR1309002001

DECLARATION OF CONFORMITY

TCF No. ATTWCE-HP140318001

We,
Audio-Technica Taiwan Co., Ltd., No.6, Lane 322, Sec.2, Fuda Rd., Jhongli-city, Taoyuan-county,
Taiwan 32050, R.O.C.

hereby declare that the products listed below,

Product : HEADPHONE
Model / Type : ATH-M20x/30x/40x/50x

Conforms with the essential requirement of the EMC Directive 2004/108/EC
and the Restriction of the use of certain hazardous (RoHS) Directive 2011/65/EU, based on the
following standards

EMI : EN55103 :2001 +A1 :2003+A2 :2006
EMS : EN55020 :2007+A11 :2011
RoHS : EN50581:2012

The Technical Construction File is prepared and issued by
Audio-Technica Taiwan Co., Ltd.
No.6, Lane 322, Sec.2, Fuda Rd.,
Jhongli-city, Taoyuan-county,
Taiwan 32050, R.O.C.

The authorized representative located within the Community is:
Audio-Technica Limited
Technica House
Millennium Way
Leeds LS11 5AL - U.K.

Date of issue: 18 March, 2014
Place of issue: Taoyuan, Taiwan



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Hara Shigeo, Engineering Manager

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HUNGARY
Tel: +36 (1) 433 34 08
Fax: +36 (1) 431 90 06



Certificat

Certificate

N° 2012/51045.2

AFNOR Certification certifies that the management system implemented by:
AFNOR Certification certifie que le système de management mis en place par :

AUDIO-TECHNICA TAIWAN CO., LTD.

for the following activities:
pour les activités suivantes :

DESIGN AND MANUFACTURING OF MICROPHONES AND HEADPHONES.

has been assessed and found to meet the requirements of:
a été évalué et jugé conforme aux exigences requises par :

ISO 9001 : 2008

and is developed on the following locations:
et est déployé sur les sites suivants :

NO. 6, LANE 322, SEC. 2, FUDA RD., COLIN, CHUNGLI CITY, TAOYUAN COUNTY, TAIWAN, R.O.C.

This certificate is valid from (year/month/day)
Ce certificat est valable à compter du (année/mois/jour)

2013-05-14

until
Jusqu'au

2016-05-14

Managing Director of AFNOR Certification
Directrice Générale d'AFNOR Certification



F. MÉAUX

The electronic certificate only, available at www.afnor.org attests in real-time that the company is certified. Seul le certificat électronique consultable sur www.afnor.org fait foi en temps réel de la certification de l'organisme.
COFRAC accreditation n°4-0001, Management Systems Certification. Scope available on www.cofrac.fr. Accreditation COFRAC n°4-0001, Certification de Systèmes de management. Portée disponible sur www.cofrac.fr.
AFNQ is a registered trademark. AFNQ est une marque déposée. CERTIF 0666-6-EN 02/2013



Certificat

Certificate

N° 2012/51046.2

AFNOR Certification certifies that the management system implemented by:
AFNOR Certification certifie que le système de management mis en place par :

AUDIO-TECHNICA TAIWAN CO., LTD.

for the following activities:
pour les activités suivantes :

DESIGN AND MANUFACTURING OF MICROPHONES AND HEADPHONES.

has been assessed and found to meet the requirements of:
a été évalué et jugé conforme aux exigences requises par :

ISO 14001 : 2004

and is developed on the following locations:
et est déployé sur les sites suivants :

NO. 6, LANE 322, SEC. 2, FUDA RD., COLIN, CHUNGLI CITY, TAOYUAN COUNTY, TAIWAN, R.O.C.

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AFAQ is a registered trademark. AFAQ est une marque déposée. CERTIF 09968 - EN 02/2013

Section 7

REVISION RECORD