



**Federal Public Service
Mobility and Transport**
Belgian Civil Aviation Authority

Certificate of conformity

N° RPA 16 / 43 F ⁱ

for the RPAS type

AIRROBOT AR100-Cⁱⁱ

The present certificate of conformity is issued in accordance with the conditions of the Royal Decree of 10 April 2016 with regard to the use of remotely piloted aircraft in the Belgian airspace, in particular Article 50ⁱⁱⁱ.

The aforementioned RPAS type, categorized by the following components:

^vRPA Manufacturer: AirRobot

RPA Model: AR100-C

Remote Controller Manufacturer: AirRobot

Remote Controller Model: BKS

Whose technical specifications have been detailed in the following RPAS flight manual, or an equivalent document:

^vRPAS Flight Manual: User Manual AR100-C, revision 1.1.0 of 20150130

For which the Aviation Authority of a European Union Member State, or the organisation approved by this Aviation Authority, by the following signature demonstrates the conformity with the technical specifications in the aforementioned RPAS flight manual or equivalent document, and the ability to be operated within the indicated conditions.

**^vAviation Authority Name: Direction Général de l'Aviation Civile, République
(Organisation Name:) Française**

**Aviation Authority Address: 50 rue Henry Farman
(Organisation Address:) 75720 PARIS Cédex 15**

Date

Name

Signature^{vi}

**See Annex: Attestation de Conception de Type
N° B/053-NO/NAV**

Is considered, in application of Article 50 of the Royal Decree of 10 April 2016, to be in conformity with the technical specifications in the aforementioned RPAS flight manual, or an equivalent document, and is considered to be able for operation within the indicated conditions.

The certificate of conformity is valid for the life span of the RPAS type, as long as the RPAS type is maintained in accordance with the maintenance manual and no changes are applied having an effect on the mass, balance, structural strength, reliability, operational characteristics or other characteristics affecting the airworthiness of the RPAS type.

The certificate of conformity may be limited, revoked or suspended if the RPAS type shows serious risks or serious hazards to the air traffic of persons and goods on the surface, or if the RPAS type no longer satisfies the conditions for the issuance of a certificate of conformity.

Issued at Brussels, on:^{viii}

26 / 09 / 2016

For Nathalie Dejace,
Director General a.i., absent,
By replacement,



Kris Clarysse,
Deputy Director General

ⁱ The reference number of the certificate of conformity will be given by the Belgian Civil Aviation Authority.

ⁱⁱ Please Specify the 'RPAS Type', which should uniquely identify the Remotely Piloted Aircraft System, subject to the certificate of conformity. The 'RPAS Type' would typically include manufacturer name and | or model designation and | or a unique reference (number).

ⁱⁱⁱ Article 50 of the Royal Decree of 10 April 2016 allows the Belgian Civil Aviation Authority to formally issue a certificate of conformity to RPAS disposing of a document issued by an EU Member State Aviation Authority or by an Organisation approved by this EU Member State Aviation Authority, which demonstrates the conformity of the RPAS with the technical specifications in the RPAS Flight Manual or equivalent document, as well as the ability of the RPAS to be operated within the indicated conditions.

^{iv} Please specify the RPA Manufacturer and the RPA Model designation (given by the manufacturer), as well as the Remote Controller Manufacturer and the Remote Controller Model designation (given by the manufacturer).

^v Please specify the RPAS Flight Manual, or equivalent document containing detailed technical specifications, including operational limitations and conditions. State the document's reference number, issue number and issue date.

^{vi} Please specify the Name and Address of the EU Member State Aviation Authority or Organisation approved by this EU Member State Aviation Authority, that demonstrates — by its signature — the conformity of the RPAS with the technical specifications in the RPAS Flight Manual or equivalent document, as well as the ability of the RPAS to be operated within the indicated conditions.

^{vii} Don't forget to sign! Please include the date of signature, as well as the name (and eventually the function) of the agent signing.

^{viii} The formal issue date of the certificate of conformity will be given by the Belgian Civil Aviation Authority.

Belgian Civil Aviation Authority
Technical Directorate
City Atrium
6th floor
Rue du Progrès 56
1210 Brussels
Belgium

RPAS.TEC@mobilif.fgov.be

ATTESTATION DE CONCEPTION DE TYPE N° B/053-NO/NAV

Ce document n'est valable que sur le Territoire de la République Française

La présente attestation de conception de type pour aéronef télépiloté est délivrée conformément aux dispositions de l'annexe II de l'arrêté du 11 avril 2012 relatif à la conception des aéronefs civils qui circulent sans aucune personne à bord, aux conditions de leur emploi et sur les capacités requises des personnes qui les utilisent.

Le titulaire de cette attestation peut produire en série des aéronefs télépilotés conformes au type couvert par cette attestation ou passer un accord commercial avec un autre constructeur pour qu'il produise des aéronefs conformes au type.

Le constructeur délivre aux propriétaires des aéronefs télépilotés produits une attestation de conformité au type.

1 - Désignation de l'aéronef télépiloté :

- Classe : **hélicoptère quadrirotors**
- Catégorie(s) : **D**
- Type/Modèle : **AR100-C**

2 - Titulaire :

AIRROBOT GMBH
D-59755 Arnsberg
ALLEMAGNE

Délivrée le

10 OCT 2013

Pour le Ministre chargé de l'Aviation Civile :



Ce document comporte un verso

3 - Limitations opérationnelles :

- Aéronef autorisé pour des relevés, photographies, observations et surveillances aériennes en scénarios opérationnels S-2 et S-3, selon les définitions du § 1.4 de l'annexe II de l'arrêté du 11 avril 2012 précité

4 - Caractéristiques principales :

- Masse maximale au décollage : 1,8 kg
- Motorisation : 4 moteurs électriques AirRobot de 90 W de puissance unitaire
- Rotors : 4 bipales Air Robot en fibre de carbone de 37 cm de diamètre
- Modes de contrôle : manuel et automatique

5 - Documentation associée :

- Dossier d'utilisation : Manuel utilisateur AR100-C
- Dossier technique : ref. AR100-C 18-12-2012 révision 0 du 18/12/2012

6 - Cette attestation, délivrée sans limite de durée, est valide tant que la définition du type d'aéronef reste conforme au dossier technique référencé ci-dessus déposé à la DSAC et si elle n'est pas suspendue temporairement ou abrogée par une consigne de navigabilité émise par le ministre chargé de l'aviation civile. Les consignes de navigabilité sont disponibles sur le site Internet de la DGAC.

7 - Si la présente attestation est une révision d'une attestation précédente, cette dernière est abrogée.