

# IQRF Wireless Challenge IV

## Contest Rules

### Contest

IQRF Alliance announces a worldwide contest IQRF Wireless Challenge III. **“Test your skills, create a new application for the IQRF wireless technology and compete for valuable prizes”**; this is a challenge for all technicians, programmers, developers, and students from all over the world.

The contest will begin on October 1, 2017 and close on March 25, 2018. The final competition of the best projects will be held in Prague in April 2018 at the IQRF Summit 2018. The winner will have the opportunity to present his project publicly to the professional public at the IQRF Summit 2018. IQRF development sets and tools are available with 30% discount for all participants thanks to the the program IQRF Smart School.

This contest is organized in cooperation with several European technical Universities and many respected expert journals and institutions. Ministry of Education Youth and Sports of the Czech Republic has involved this contest in the official list of important competitions that are beneficial to high schools. The main sponsor is IQRF Tech s.r.o. with a support of AAЕON, Netio products, Microsoft, and Protronix.

### Dates

- **Start of the contest:** October 1, 2017
- **End of the contest:** March 25, 2018
- **Final presentations and awards:** April 24–25, 2018

### Contest organizer

#### **IQRF Alliance s.r.o.**

Prumyslova 1275  
506 01 Jicin  
Czech Republic, EU

CRN: 45 78 64 61  
VAT Id. nr.: CZ 45 78 64 61

IQRF Alliance is an international community of developers, manufacturers, system integrators, universities and business professionals who use the IQRF® wireless technology.

### Main Sponsor

#### **IQRF Tech s.r.o.**

Prumyslova 1275  
506 01 Jicin  
Czech Republic, EU

CRN: 06 31 73 75

VAT Id. Nr.: CZ 06 31 73 75

IQRF Tech Ltd. is a technological spin-off of company MICRORISC focused on research, development and distribution of the latest IQRF® components and modules to manufacturers of electronics.

## Contacts

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+420 777 775 735

Technical enquires: [support@iqrf.org](mailto:support@iqrf.org)

## Contest Website

All the information is published at the contest website: [www.iqrf.org/contest](http://www.iqrf.org/contest). The contest entries will be uploaded there too.

IQRF products are available at e-shop <http://www.iqrf.shop>.

## Categories

The competition is open to students of technical schools, as well as other engineers and amateurs. All the projects will be evaluated in one category.

## Contest Entry

A contest entry is a practical application using the wireless technology IQRF® ([www.iqrf.org](http://www.iqrf.org)).

## Task to Complete

Create a new application for the wireless technology IQRF®. The submitted application must be functional.

## Judging Criteria

The main judging criteria are these:

1. Originality
2. Comprehensiveness
3. Usefulness
4. Functionality
5. Quality of the code and documentation
6. Final presentation

All the applications should be different enough from the existing public IQRF applications and examples (for example from the technology web [www.iqrf.org](http://www.iqrf.org)).

## Contest Development Tools

It is not obligatory for the contestant to purchase any development tools.

All contestants may purchase the IQRF development sets and tools with a discount up to 30% within the IQRF Smart School program, even if they are not members of this program. All the contestants may contact the IQRF Smart School manager Ivona Spurná to get discounted tools (see Contacts above).

It is recommended to have development set DS-START-04 or development kits and wireless transceivers.

## Contestant

A contestant is any person who registers for the contest. Anybody from all over the world may test their skills. It may be an individual person or a group of people represented by one person who submits the entry. Both professionals and hobbyists may enter the contest. Students may be represented by their teachers, but it is not obligatory.

## Submitting a Contest Entry

All entries must be submitted by contestant between **January 1, 2018** and **March 25, 2018**. After the March 25, 2018 the best applications will be chosen to proceed to the final round which will take place in Prague, the Czech Republic in **April 24-25, 2018** at the IQRF Summit 2018. The final presentations will be presented within an interactive presentation of the selected projects and then the winners will be announced.

The project may be created by one person or a group of people that is represented by one of authors. Detailed instructions will be published at the contest website.

Projects of students are submitted by students themselves or their teacher. Students who will win a prize will have to prove their student status with a study certificate to win prizes for their school.

## Requirements for Project Submitting

A contest project shall be submitted in English language.

It is necessary to upload **one zipped file (maximum size 10 MB)** with all the obligatory documents and software.

The entry must contain:

- a HEX code of the application,
- a source code including source-level comments,
- description of how to operate the application (a manual),
- visuals (pictures, photos, videos, schematics, ...),
- description of the application: name, short description, description of real use, strengths and weaknesses, possible further development of application,
- data of the author(s): name, date of birth, school or occupation, address, e-mail, telephone.

The submitted application must be functional.

## Final Round

The best applications out of all submitted entries will be chosen by an expert jury to proceed to the final round that will take place in the Czech Republic in April 24-25, 2018 at the IQRF Summit 2018. The final presentations will be held as an interactive exhibition of the selected entries.

Finalists must prepare an electronic presentation and visual materials to present their project. All materials must be made in English. The expert jury will examine all the exhibited projects by questioning the authors.

At the end of the final round, winners will be announced and prizes will be awarded.

## Prizes

Contest winners will be ranked according to their respective scores and final presentations.

Prizes	
1 <sup>st</sup> prize	Development set IQRF for IoT DS-IOT-01 (IQRF Tech)  Sensors  Actuators
2 <sup>nd</sup> prize	Development set IQRF for IoT DS-IOT-01 (IQRF Tech)  Actuators
3 <sup>rd</sup> prize	Development set IQRF for IoT DS-IOT-01 (IQRF Tech)

The school of the student project that wins any prize will get a **50% discount for the purchase of IQRF products** (excluding products containing third-party components other than IQRF Tech) and more **one development set DS-IOT-01** for IoT projects for free. These discounted purchases will be handled by the IQRF Smart School Manager Ivona Spurná.

One contest entry can win one prize only. Any use or gift taxes, duties or other related taxes are not included and they are the sole responsibility of the winner.

## Job opportunity with IQRF Tech or IQRF Alliance

The best designers may be offered a job opportunity or cooperation. It does not mean that the winner of the competition will be automatically offered a job. The selected designers will be addressed by the organizer after the end of the contest.

## Awarding Prizes

Winners will be announced in April 2018 at the Final round and published at the contest website.

The organizer is solely responsible for the distribution of all prizes. The contestant agrees that the organizer is not responsible for delayed shipments of the development tools or prizes.

Any application or gift taxes, duties or other related taxes are not included and they are the sole responsibility of the winner.

The organizer and the main sponsor are solely responsible for the selection of winners and for the payment and distribution of all prizes. All judging decisions are final.

### Eligibility

To be eligible, the entrant must follow the guidelines for submitting and agree with the conditions and rules of the contest. The contestants that is not a student must be at least at the age of 18 or over on the day of entry. Students can be represented by their schools and teachers or not. Students younger than 18 years shall be represented by their teachers, parents or other eligible representatives.

Direct employees of the organizer, consultants, distributors, representatives, advertising, promotion, production agencies, members of their immediate families are not eligible.

<b>IQRF Wireless Challenge IV - Eligibility Form</b>	
<b>Hereby I declare that my signature on this form constitutes an affidavit of eligibility and agreement with the terms and conditions stated in the IQRF Wireless Challenge IV official rules and conditions published at the contest website:</b>	
<hr/>	
Name of the author	Name of the contest entry
<b>I am a student:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No	
If so, I am attaching the <b>Study Certificate</b> issued by my school, otherwise I may not win any of the prizes in the Student category.	
*Cross as appropriate.	
<hr/>	
Signature	Place and date
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## General Rules

By entering, contestants relieve the organizer from all liability in terms of using the awarded prizes. The contestants commit themselves to these rules, and they agree with the using of their names and contact information for future marketing purposes without any additional compensation.

The organizer will not be held responsible for any incorrect or inaccurate entries of information, including, but not limited to, technical malfunctions, human errors, lost/delayed data transmission, omissions, interruptions, deletions, defects, line failures of any telephone networks, computer equipment, software or any combination thereof, entry materials that have been tampered with, or e-mail or mail-in entries that are illegible, late, lost, or misdirected.

The organizer reserves the right to cancel, terminate, modify, or suspend this contest without any obligation if it discovers fraud, or any other causes beyond the control of organizer which corrupt or affect the administration, fairness, integrity, or proper conduct of this promotion.

Prior to submitting any entry, idea, or work, the contestant should consider contacting a patent authority for any unique or proprietary aspects of the application. All contestants grant the organizer the non-exclusive perpetual worldwide license to publish and display in print or electronic formats any contest project information submitted in the form of articles, application notes, or technical briefs.

The contest rules and conditions are subject to change without notice. The prizes cannot be enforced by law. This contest shall be governed by the laws of the Czech Republic, without regard to its conflict of law's provisions. The organizer expressly disclaims all other warranties or liabilities.

## Privacy Policy

The organizer ensures that your privacy is protected. All personal and other data about our customers, partners, participants of surveys or contestants are used only for the purposes of the particular event (sale, contest etc.), for statistic or internal purposes. The information that you give us is used to respond to your requests, notify you of the products being shipped to you, customize your interactions with us, improve our offerings, provide you with materials or offers, allow you to participate in contests, and communicate with you. It is your choice whether or not you will provide us with certain information. However, you may be unable to take advantage of many of our offers and features if we do not receive your customer information. Any time later, when we contact you with non-requested information, you may cease these actions by simply letting us know. Customer information is important to the organizer to be able to offer products and services to you. We do not participate in the business of selling customer information to others and we do not offer data to any third parties.

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