

## BIRCS

### Application BIRCS

#### Main Features

- Radio Remote Controlling
- Voice Dispatching
- Text Messaging
- Location Tracking
- Telemetry
- File Transfer
- Alerting

#### Applicable Products

- Hytera DMR Repeaters
- Hytera DMR Mobile Radios
- Hytera DMR Portable Radios

#### Applicable Technologies

- Public Safety
- Industry
- Oil & Gas
- Security
- Humanitarian Aid
- Transportation/Airports/Public Transports

#### Contact details



#### Address

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CH-3110 Münsingen  
(Switzerland)

#### Website

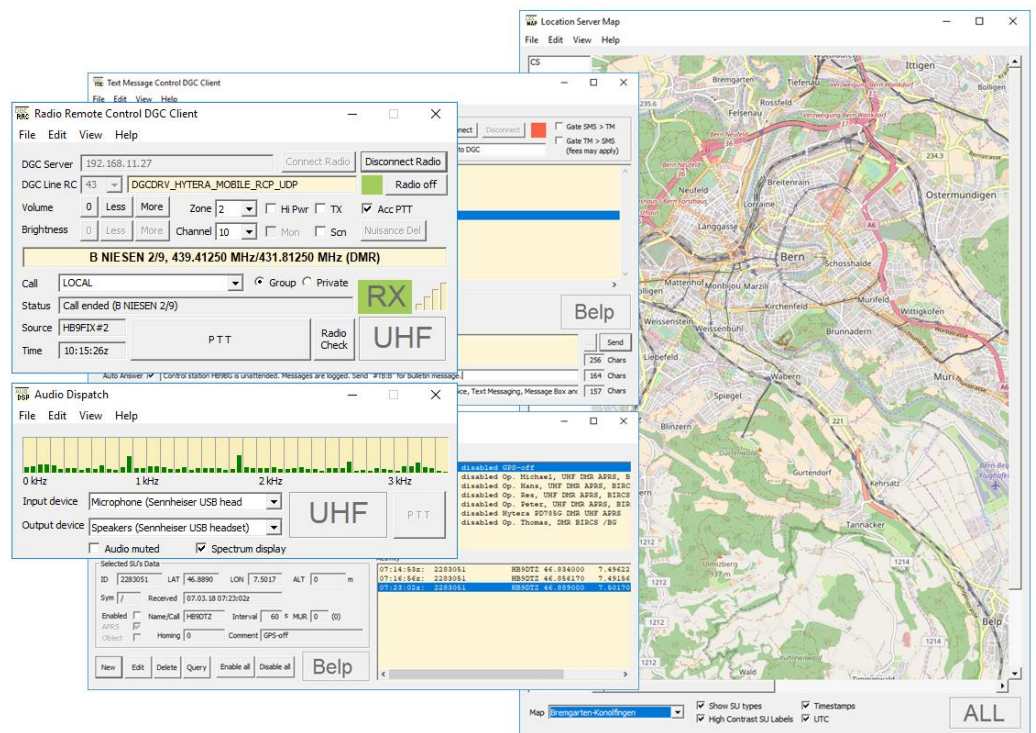
<http://www.burri-informatik.ch>

## Application Description

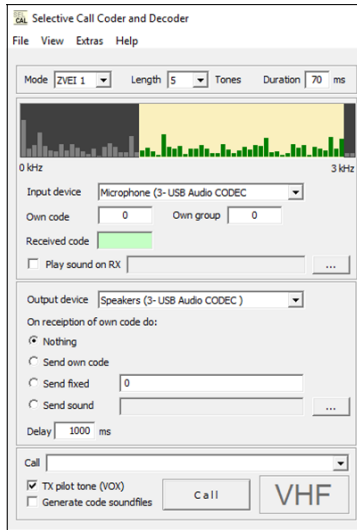
BIRCS (Burri Informatik Radio Control System) is an easy to operate suite of PC programs designed as a modular concept. With its functions the software makes the special features of modern digital radio communication equipment accessible:

- Radio Remote Controlling
- Streaming of Radio Audio from/to the PC Network (Voice Dispatching) with Audio Recording
- Transmission and Reception of Short Text Messages (with optional Mailbox and Alarm Handling System), SMS Gateway
- Location Tracking/Recording with Map Display (OpenStreetMap Data, downloadable for Offline Use)
- Telemetry Services
- File Transfer

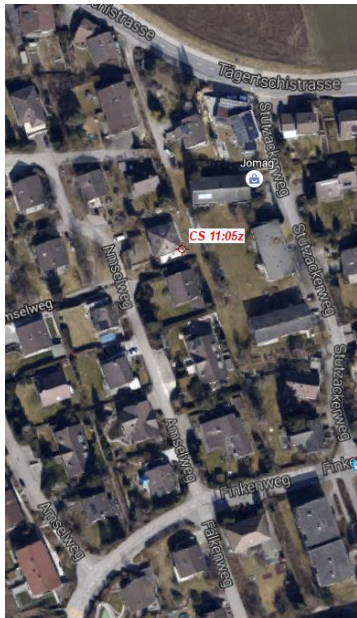
The BIRCS suite of programs is executable under Microsoft® Windows® operating systems (Windows® 7 or later). During the development of the software care has been taken to ensure that the system remains Internet independent. There is no utilization of any third party online Internet components so the programs are also suited in an offline environment for emergency services and similar organizations.



BIRCS Dispatcher Application Suite



Selective Call Audio Processor

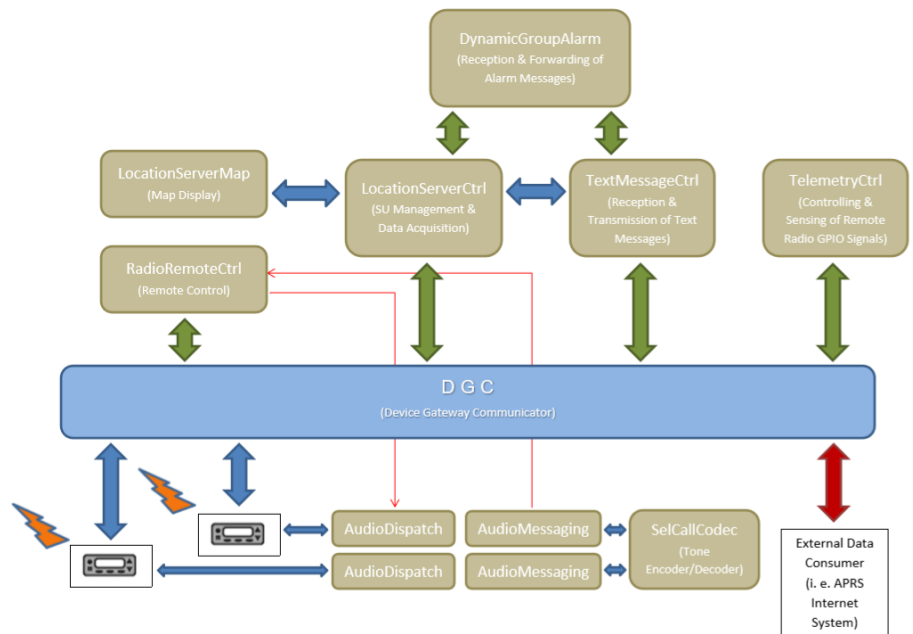


Satellite Image Map Display

BIRCS supports Hytera branded professional two-way radios and repeaters. The modular concept of the application suite is layer based. Therefore the system is able to adopt different radio technology simply by replacing some device drivers without the need to modify the application layers of the software. New radio technology or models may easily be supported in the future.

## Features

- Radio Remote Controlling (Zone/Channel Selection, Power Level, Call Address, PTT and more).
- Voice Dispatching across the TCP/IP Network, Spectrum Display, Voice Recording, Sound Device Selection (Application Modules Available for Mobile Radios or Repeaters)
- Direct Repeater Access using RTP Audio Protocol for Excellent Audio Quality or Mobile Radio Access via External Audio Interface
- Text Messaging to Private or Group Contacts with or without Acknowledgement, Beacons, Automatic Answer (AA), SMS Gateway to/from Mobile Phone Network, Remote Messaging Interface (UDP) providing Messaging Services for Third Party Applications, Message Templates, Text Messaging Mailbox accessible to Control Station Operator and Field Radios, Alerting by Text Messages
- Location Tracking of Radios with Map Display (OSM Map Data downloadable for Offline Use), Tracking Parameter Control using Text Messaging, Replay of Archived Tracking Data, Network Based Interface supplying Tracking Data to Third Party Applications
- Telemetry Module with Telemetry Job Definition (GPIO Controlling and Sensing) and Execution
- File Transfer Module for Exchange of Files between PCs
- Selective Call Audio Processor for Analog Applications
- Configurable Name Resolution for DMR IDs
- Fast and Sleek Application Modules (programmed in C/C++).



BIRCS Layer Based Software Architecture