

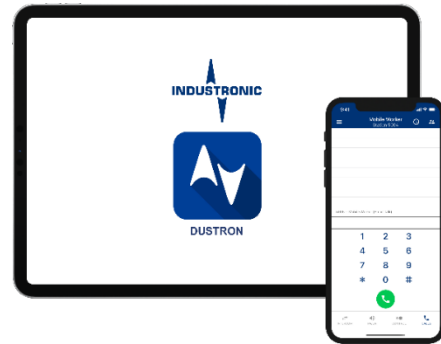


DUSTRON

INDUSTRIAL COMMUNICATION APP

With DUSTRON from INDUSTRONIC mobile communication has found its way into industrial environments. The app turns your terminal device into a mobile intercom station enabling you to use, for example, intercom and PA/GA functions from anywhere on site.

DUSTRON offers you the same features as any other INDUSTRONIC intercom station including Push-to-Talk communication, broadcasting of announcements or triggering of alarms – to name just a few of the available functions.



- App for mobile industrial communication, indoors, outdoors and in Ex areas
- Intercom, PA/GA, control and maintenance functions – all in one app
- Mobile “Control Center” on the go
- Push-to-Talk group communication as an alternative to mobile radio
- Support of (bluetooth) headsets
- Replay of recorded announcements
- Call history for all incoming and outgoing calls
- Contact list with possible subscribers
- Network connection via Wi-Fi or 4G/5G
- Intuitive user interface
- For mobile terminal devices with Android® operating system, iPhone® and iPad®

NETWORK REQUIREMENTS

IPv4 network

Support of UDP, TCP and RTP protocols

Quality of Service (QoS)

Ideal latency value < 50 ms (max. 100 ms)

Jitter: max. 100 ms

Wi-Fi or 4G/5G

200 kBit/s basic bandwidth and 200 kBit/s per active audio channel

DUSTRON Push Gateway Software*

*for iPhone / iPad, in combination with the controller version 7.3.0 or higher

TECHNICAL DATA

Operating system

Android Version 5 or later,
iOS version 12.2 or later

Download

Google Play Store, App Store

Number of keys*

Approx. 200

*Depends on the display size of the mobile terminal device



OTHER TYPES OF APPLICATIONS

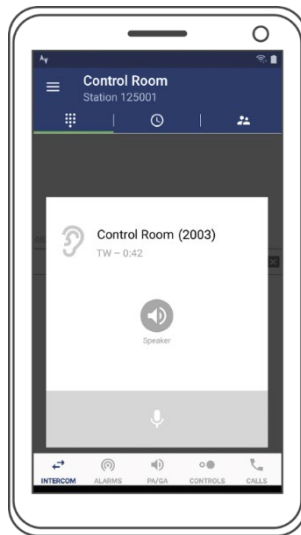
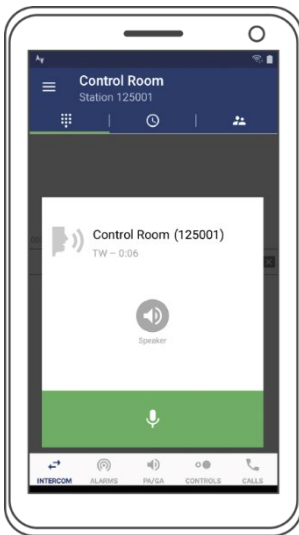
No matter if you require additional control and maintenance functionality or want to establish a conference with several subscribers – the app seamlessly integrates the mobile terminal device into the INDUSTRONIC world. Take full advantage of the complete functional scope of the INTRON-X / INTRON-D *plus* system.

Besides the classic communication functions, the app considerably facilitates the maintenance of the INDUSTRONIC system. System states can be conveniently checked on the mobile terminal device from anywhere in the plant. Potential fault and error messages are transmitted to the smartphone and displayed as an overview table. Thus, service engineers can respond faster and receive direct feedback via the app whether the fault has successfully been eliminated and whether the system is running again without errors.

With the app, control center staff gains more flexibility and mobility. All communication functions of the control center are available right at their finger tips. They can just leave their desk, take their mobile terminal device and simply use the features on the go.

The app can be connected to the INTRON-X / INTRON-D *plus* system via Wi-Fi or 4G/5G. Also existing systems can be enhanced by this mobile option.

The app runs on all mobile terminal devices (Android from version 5.0 and iPhone / iPad from version 12.2). With the appropriate mobile terminal device, it can also be used in Ex areas. Of course, you can use all the other standard features of your mobile terminal device in the usual way.

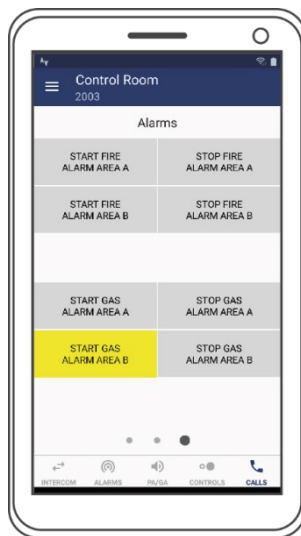
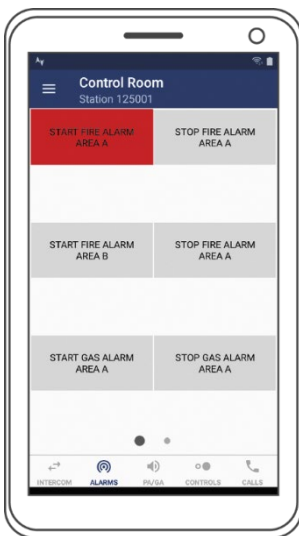


CALLS & ANNOUNCEMENTS

DUSTRON turns your mobile terminal device into a mobile intercom station. You don't need to go to a stationary intercom station to make a call or an announcement.

Via Push-to-Talk (PTT), you can immediately establish a two-way connection or a group call. If required, you can also communicate in duplex or handsfree mode. Moreover, communication can even be made more convenient by using a (bluetooth) headset.

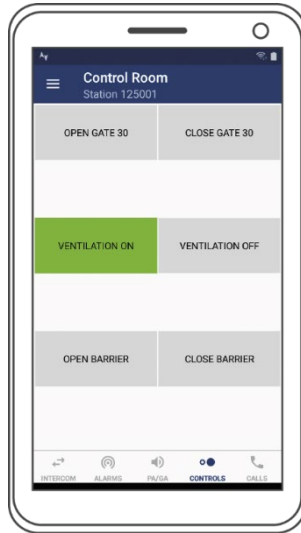
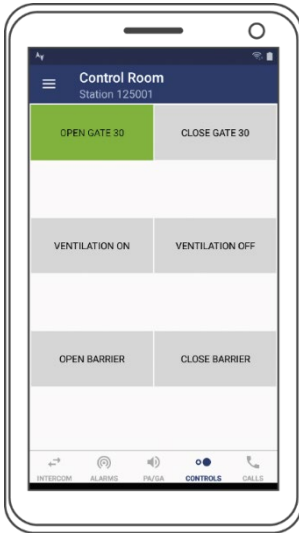
As an alternative to mobile radio, PTT group communication with several mobile or other terminal devices is also possible.



ALARMS & WARNINGS

With the app, you can immediately respond to unexpected events and hazards. Alarms can easily and quickly be triggered via the touch screen. You can also reach emergency services outside the company with DUSTRON.

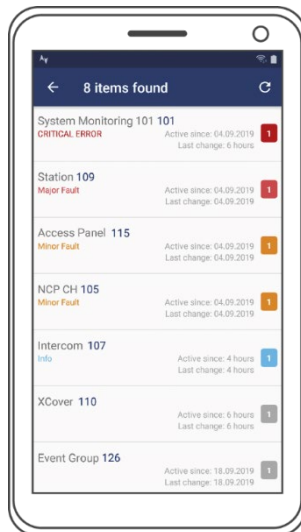
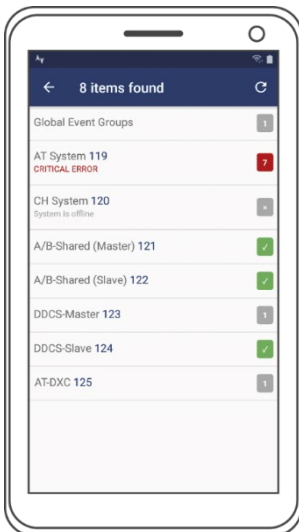
Furthermore, authorized security staff can always directly intervene by making live announcements overriding the current alarm (Voice-over-Alarm).



CONTROL FUNCTIONS

Convenient control functions allow you to easily manage access control tasks (e.g. opening gates).

If required, you can also activate the ventilation system or shut down system components.

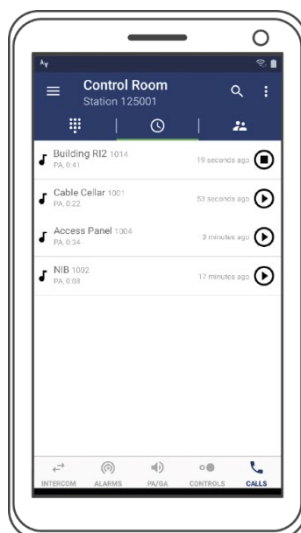
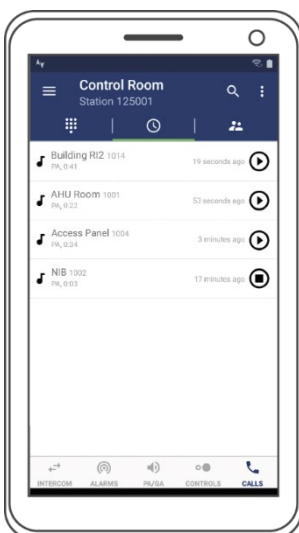


MAINTENANCE AND COMMISSIONING

DUSTRON facilitates the commissioning and maintenance of INDUSTRONIC systems.

System states are transmitted to the mobile terminal device. This enables the service staff to respond immediately and to receive direct feedback whether the fault has successfully been eliminated and the system is now running again without errors.

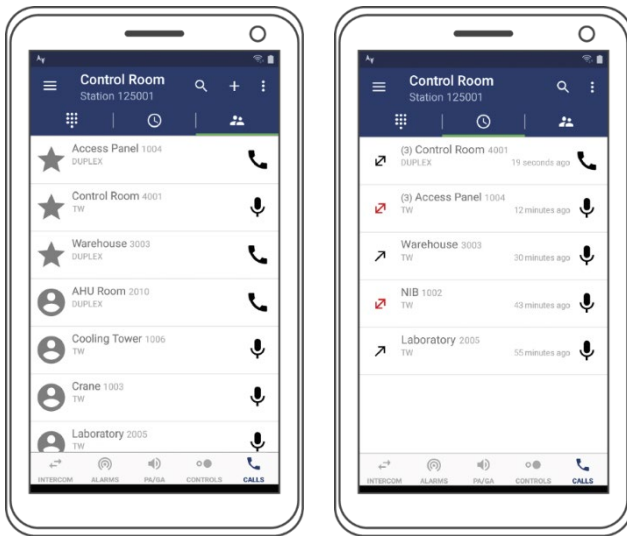
Loudspeaker levels can now conveniently be adjusted right on the spot.



REPLAY OF RECORDED ANNOUNCEMENTS

No matter if you missed an all call, group call or an alarm – all incoming announcements are stored on the mobile terminal device and can be replayed at any time.

This is a great advantage especially in locations where no speakers are present or they are muted.



CONTACTS & CALL HISTORY

The app provides a contact list with all subscribers of the system in alphabetical order. Frequently called subscribers can be saved as favorites.

All incoming and outgoing calls are stored in the call history. Each entry shows date, time and the call number of the subscriber.

Both lists can be searched – also via voice control.

ADDITIONAL FEATURES

- Complete functional scope of the INTRON-X / INTRON-D *plus* system
- Establishing and receiving voice calls (two-way, handsfree, duplex)
- Initiating and receiving all calls and group calls
- Security prompts prevent the unintentional triggering of alarms
- Triggering and terminating alarms and warnings
- Triggering of control functions
- Monitoring of system states
- Indication of fault and error messages
- Different roles enable individual user interfaces and role-dependent functions
- User interface can be customized by using the configuration software Config Manager X from INDUSTRONIC
- Runs on:
 - Mobile terminal devices with Android operating system
 - iPhone and iPad
- Dial keypad

CONNECTION POSSIBILITIES

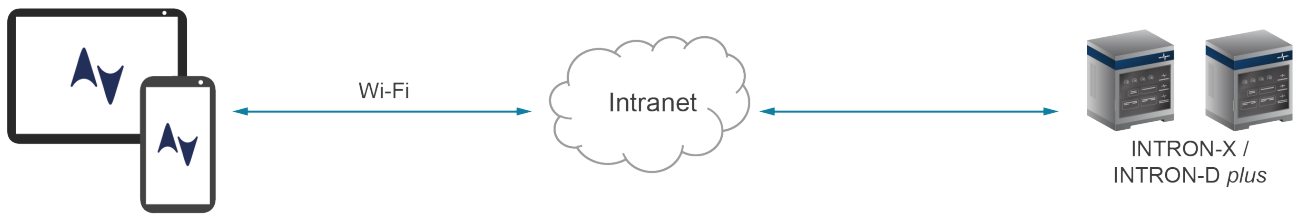


Fig. 1: Connecting the DUSTRON to a Corporate Network via Wi-Fi

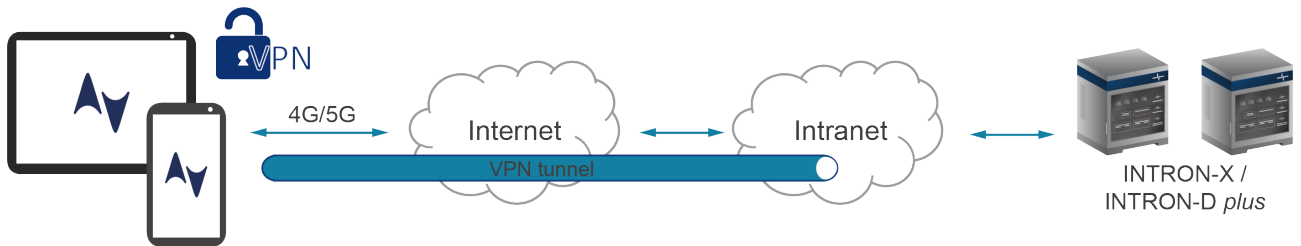


Fig. 2: Connecting DUSTRON to a Public 4G/5G Mobile Network

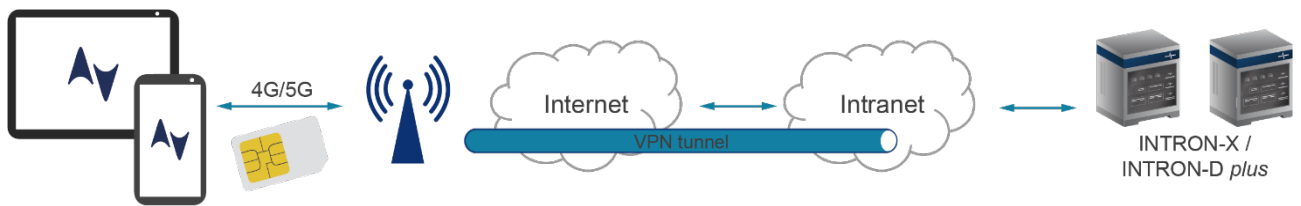


Fig. 3: Connecting DUSTRON to a Private 4G/5G Mobile Network

INDIVIDUAL ACTIVATIONS

Description	Type Number
ACT-DUSTRON Basic Communication Activation of one INDUSTRONIC app DUSTRON with all communication functions for use within the INTRON-X / INTRON-D <i>plus</i> system	101-200-301
ACT-DUSTRON Extension Control Activation to extend the INDUSTRONIC app DUSTRON with PA/GA and control functions for use within the INTRON-X / INTRON-D <i>plus</i> system	101-200-302
ACT-DUSTRON Extension Service Activation to extend the INDUSTRONIC app DUSTRON with maintenance functions for use within the INTRON-X / INTRON-D <i>plus</i> system	101-200-303
DUSTRON Demo Activation for the use of the INDUSTRONIC app DUSTRON on one device for demo purposes to be operated within the INTRON X / INTRON-D <i>plus</i> system for the duration of 4000 operating hours	101-000-001
DUSTRON Push Gateway Software Software for activating the DUSTRON app for iOS in standby mode for incoming voice connections	100-742-300

ACTIVATION PACKAGES

Description	Type Number
DUSTRON Comm Activation package for one INDUSTRONIC app DUSTRON with all communication functions for use within the INTRON-X / INTRON-D <i>plus</i> system. It consists of the activation ACT-DUSTRON Basic Communication.	101-201-301
DUSTRON Comm 10/20/30 It consists 10/20/30 x of the activation ACT-DUSTRON Basic Communication.	101-201-304 (10x) 101-201-305 (20x) 101-201-306 (30x)
DUSTRON Control Activation package for one INDUSTRONIC app DUSTRON with all communication, PA/GA and control functions for use within the INTRON-X / INTRON-D <i>plus</i> system. It consists of the activations ACT-DUSTRON Basic Communication and ACT-DUSTRON Extension Control.	101-201-302
DUSTRON Control 10/20/30 It consists 10/20/30 x of the activations ACT-DUSTRON Basic Communication and ACT-DUSTRON Extension Control.	101-201-307 (10x) 101-201-308 (20x) 101-201-309 (30x)
DUSTRON Service Activation package for one INDUSTRONIC app DUSTRON with all communication, PA/GA, control and maintenance functions for use within the INTRON-X / INTRON-D <i>plus</i> system. It consists of the activations ACT-DUSTRON Basic Communication, ACT-DUSTRON Extension Control and ACT-DUSTRON Extension Service.	101-201-303
DUSTRON Service 10/20/30 It consists 10/20/30 x of the activations ACT-DUSTRON Basic Communication, ACT-DUSTRON Extension Control and ACT-DUSTRON Extension Service.	101-201-310 (10x) 101-201-311 (20x) 101-201-312 (30x)

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