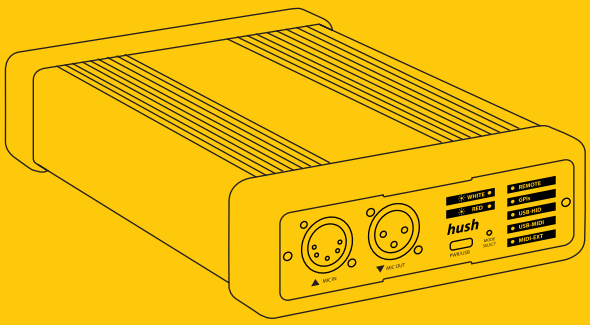
hush



briefing book

DE / EN

Welcome

Congratulations on your new hush OnAir Controller!

Thank you for choosing Yellowtec equipment. From now on, your new hush or hush+ will support you with easily operating your OnAir signaling in a targeted and professional way.

This Briefing Book contains plenty of useful information that will help you to get started with the control of your OnAir signaling with hush. Further info can be found at www.yellowtec.com/hush. Both software and firmware for your hush device are under continuous development. So please check www.yellowtec.com/hush/downloads from time to time. There you will always find the latest versions and information. Also a more detailed manual is available for download there.

hush is by far the easiest way to control your OnAir signaling professionally. Its plug'n'play concept makes controlling the dual-color OnAir indicator of your m!ka Mic Arm effortlessly easy. In addition, hush can also be used to control the LED signal of Yellowtec's litt Signaling Device.

Two versions of hush are available: hush and hush+. hush offers you extensive features for controlling your OnAir signaling. hush+ comes with additional control functions over your mic signal like a mute function. With 12dB up to 75dB preamplification, hush+ ensures first-class sound!

Content

Notes on proper use!

Read this guide carefully before using any hush device. Always observe the following instructions in order to use and operate hush, hush+, and the hush Remote safely. Improper use may result in the loss of warranty and guarantee claims.

The hush OnAir Controller is developed to control the OnAir indicator of any m!ka Mic Arm OnAir. hush+ on top includes a microphone preamplifier. The optional hush Remote can be used as a control unit on both devices. The units can be powered via your computer's USB port or by USB power supplies. It must be ensured that these also comply with the conformity regulations of your respective country.

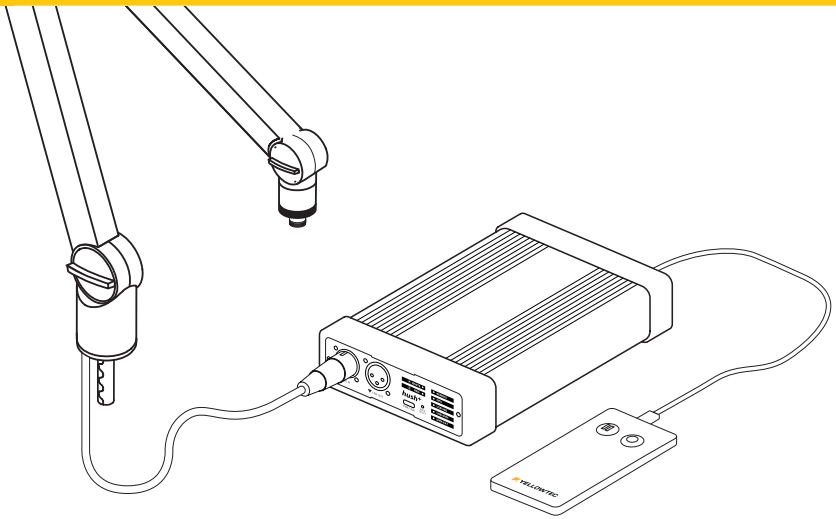
Safety instructions!

Don't open hush, hush+ and the hush Remote and don't perform any modifications. Work on the devices has to be carried out by qualified, authorized persons only!

Don't bring hush, hush+ and the hush Remote into contact with liquids. Always position hush and hush+ in a way that ensures heat dissipation.

Use hush, hush+ and the hush Remote only with certified USB interfaces and in connection with certified power supplies. Audio cables must be shielded. Failure to do so may result in interference with other devices as well as interference with hush. This may result in damage.

Make sure that the pin assignment of the XLR-5 connector on your microphone arm is correct – especially if you install the connector yourself. Find details at www.yellowtec.com/hush/downloads.



Let‘s get ready to go!

As soon as hush is powered, it is automatically turned on. For power supply, connect hush to your computer with the included USB-C cable. Optionally, you can use the provided USB-C to USB-A adapter. To use hush without your computer, use a certified 5V power supply.

When using hush for the first time, connect it to your PC or Mac via USB-C and open the hush App. It will prompt you to specify which type of m!ka OnAir Mic Arm you are using. Specify whether it is an older model with a red OnAir indicator or the current model with a dual-color OnAir indicator (red/white). Then set the mode to control hush and use the hush App to make other settings as desired. Whenever you activate hush, it will automatically load the last set settings including your choice of mode. See page 30.

Connect the XLR-5 adapter of your m!ka OnAir Mic Arm to the mic input on the front of your hush device. Then attach your audio interface or mixing console to process your mic signal. Therefore, use its XLR-3 cable and connect it to hush (Mic Out) or hush^{+} (Line Out). See page 26.

hush Front Panel*

Mic In (XLR-5)

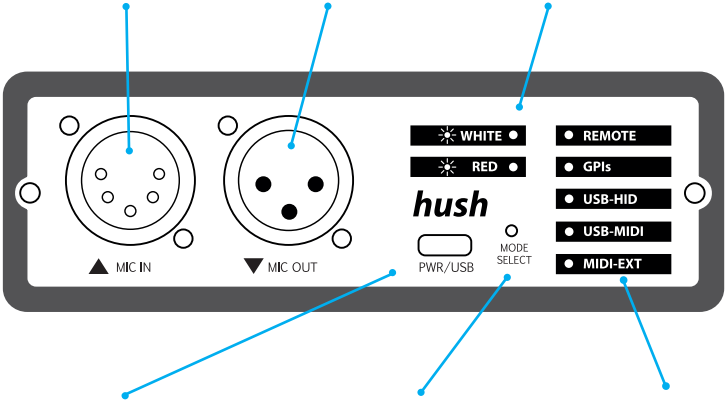
Attach the XLR-5 connector at the bottom end of your m!ka Mic Arm OnAir here. Find details about pin assignments at www.yellowtec.com/hush/downloads.

Mic Out (hush) / Line Out (hush+)

Connect an audio device via XLR-3. Depending on the hush model you are using, a Mic Out (hush) or Line Out (hush+) is available.

Color Indicator

The white and red LEDs show you the currently active color of the dual-color OnAir indicator on your m!ka Mic Arm: White or Red!



Ext. Power Supply

Connect hush to your PC/Mac via USB-C using this PWR/USB port. Alternatively, you can connect a 5V power supply here to use hush without a computer.

Mode Select

Use a pointed object to change the selected mode for controlling your hush device. Alternatively, you can use the hush App. See page 30.

Mode Indicator

The green LED shows you the mode that is currently selected to control hush. Change it directly on the device or in the hush App. See page 30.

*Note that the fronts of the hush and hush+ models differ in the logo print. Another difference is that hush provides a Mic Out, while hush+ is equipped with a Line Out.

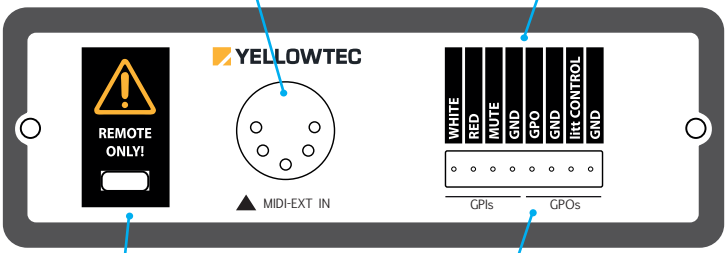
hush Rear Panel

EXT-MIDI In (DIN)

Connect hardware for MIDI control via the external MIDI input. Manage your MIDI settings in the hush App. See page 32.

litt Control

A slot for the connection of an external litt allows you to control a LED color segment of Yellowtec's litt Signaling Device. Find more info about litt at www.yellowtec.com/litt.



Connector for hush Remote

Connect a hush Remote to this USB-C slot to control your hush via remote. To do so, use the supplied cable and this connecting slot only! Never connect any other USB-devices here!
See page 29.

GPI/Os

Use the GPI connectors to control hush in GPI-Mode. The red light status is available at the GPO output. By default the red signal is always given priority over the white signal if both are selected. Find wiring details at www.yellowtec.com/hush/downloads.

Choose the most convenient way!

To control hush you have a choice of five modes. They allow you to easily integrate hush into completely different environments and cover many application areas. At any time you can change the selected mode either directly on your hush device or in the hush App. See page 30.

REMOTE

As a standalone solution, the hush Remote provides extremely convenient control over hush. It perfectly suits all users whose existing equipment does not support red light control. See pages 29 + 36.

GPIs

Using the GPI input of hush you can connect your hush unit to any standard open collector output of your hardware. For example, control hush via a mixing console. with the respective outputs. See page 39.

USB-HID

Via USB-HID you can integrate your hush into your workflows in combination with your own software. Therefore, we provide libraries for Windows and Mac at www.yellowtec.com/hush/downloads.

USB-MIDI

Select USB-MIDI to control your hush via DAW software. This way, the OnAir indicator on your m!ka Mic Arm is switched on whenever you start recording in your DAW interface. See page 37.

MIDI-EXT

Connect MIDI hardware to control your hush via external MIDI. The hush App offers extensive possibilities to configure your MIDI setup. See pages 32 + 38.

hush Remote

Select the mode “REMOTE“ to manage your OnAir signaling at the push of a button via hush Remote. Therefore, connect the remote to the slot on your hush‘s rear panel which is marked with “REMOTE ONLY“.

OnAir Button

Press the OnAir button on your hush Remote to indicate on your m!ka Mic Arm that you are OnAir.

As soon as you do so, the LED signal of your m!ka Mic Arm will light up red without any delay. If you are using the hush+ version, this step will also activate your microphone signal.

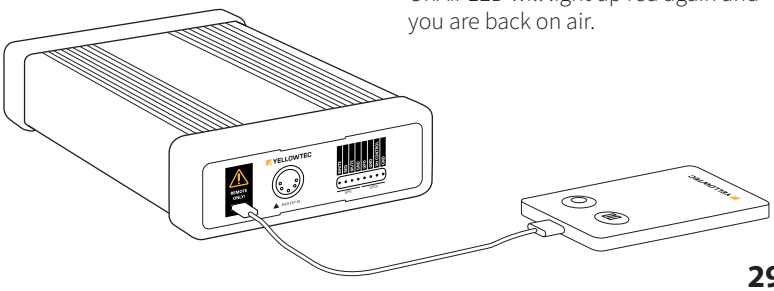
Press the OnAir button again while the LED signal of your m!ka Mic Arm is red, to turn off the red shining OnAir indicator. Using hush+, this also deactivates your mic signal.

Mute Button

The mute button of the hush Remote is designed as a cough button. Since only the hush+ model with its preamp processes your audio signal, the mute function is only available with **hush+**.

Press and hold the mute button to mute your microphone signal. A white shining OnAir indicator on your m!ka Mic Arm as well as a yellow Mute button and a red flashing OnAir button on the hush Remote unmistakably indicate muting.

Release the mute button to reactivate your microphone signal. Doing so, the OnAir LED will light up red again and you are back on air.

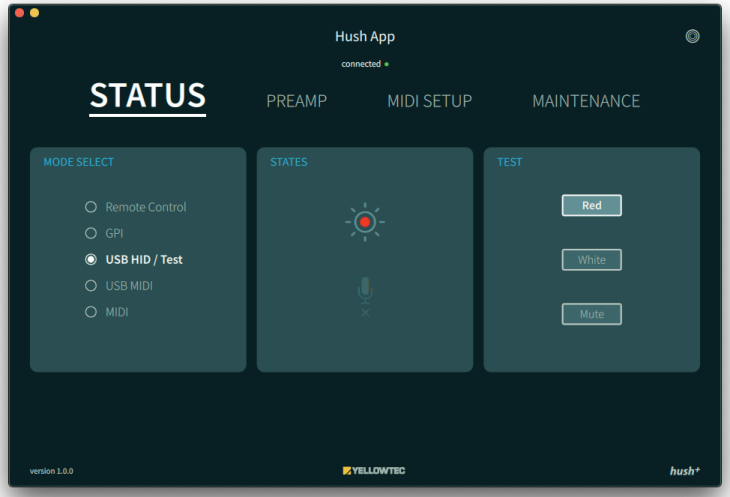


STATUS

The hush App is available at www.yellowtec.com/hush/downloads. In the hush App you can choose your desired mode to control your hush or hush+ device. To determine the currently active Mode, please select the tab STATUS in the hush App. See page 28.

The STATUS tab also gives you access to a quick check if your hush is wired correctly. Therefore, please choose the mode „USB HID/Test“ on the left and have a look at the “Test“ section. Select the desired signals on the right side and compare the status displayed in the app with the current status that your m!ka Mic Arm‘s OnAir indicator is currently showing. If both signals match, the wiring is done correctly.

Find details about pin assignments at www.yellowtec.com/hush/downloads.

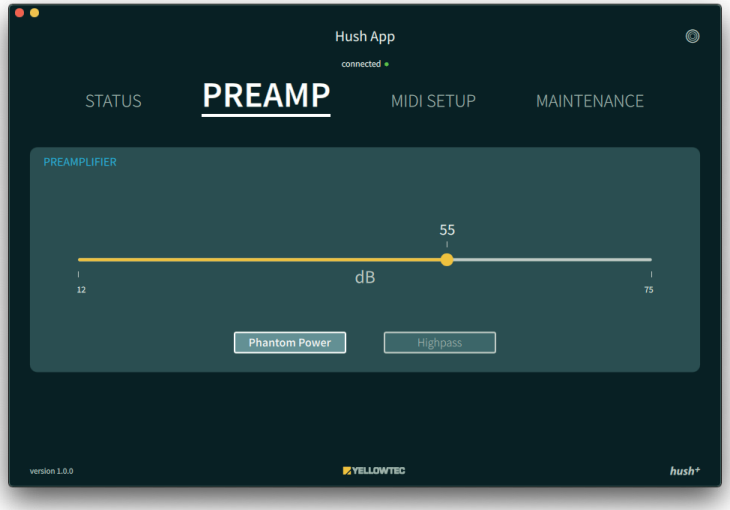


PREAMP (hush+ only!)

In addition to red light control, the hush+ model also allows you to control your microphone signal. Using hush+, you will find several settings in the PREAMP tab of the hush App. Make use of them to optimize your mic signal.

hush+ serves as a first-class preamp for your microphone. Adjust the gain of your microphone signal with the hush App. Select your desired gain within the extensive range from 12dB up to 75dB.

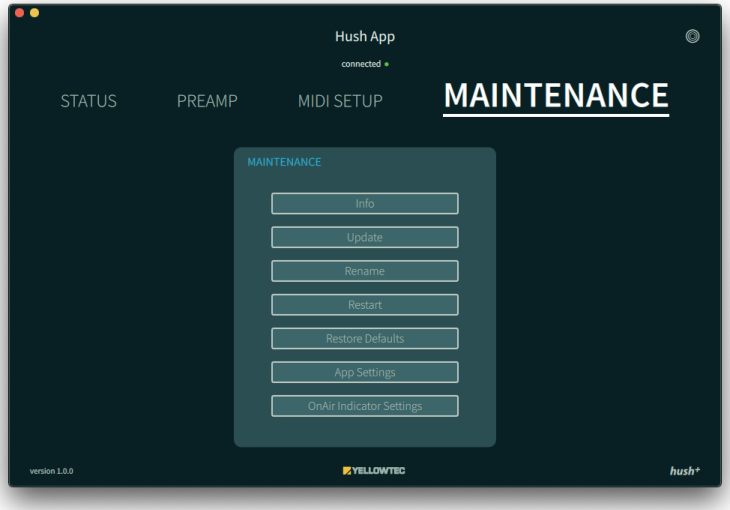
Depending on the needs of your mic, you can also switch the phantom power of your microphone on or off in the app. Activate or deactivate the high-pass filter at the touch of a button to remove unwanted rumble. This is how hush+ helps you to further optimize your microphone signal to deliver high-quality sound!



MIDI SETUP

If you want to control hush via USB-MIDI or EXT-MIDI, you will find various configuration options in the hush App. To access them, select the tab MIDI SETUP. There you can add your own profiles or select one of the stored MIDI profiles, e.g. the HUI protocol.

In the hush Manual you will find more information about the configuration of the MIDI setup within the hush App. Visit www.yellowtec.com/hush/downloads to download it.

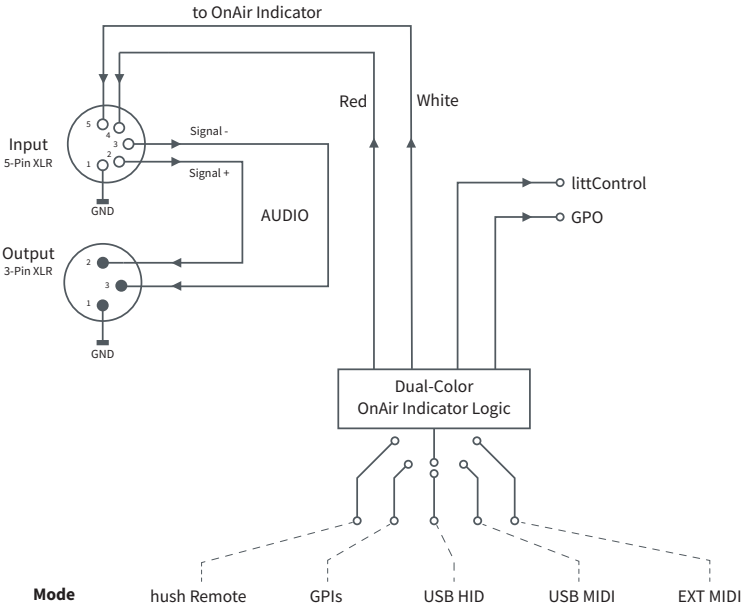


MAINTENANCE

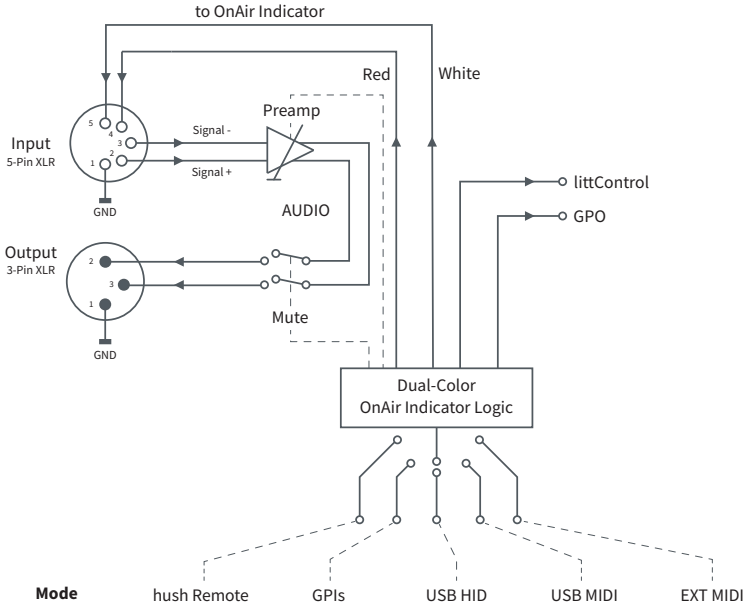
In the tab MAINTENANCE of your hush App, you will find information about management and maintenance details for your hush or hush+ unit. For example, select “Info“ to check your unit‘s serial number and your active firmware version. Restore your hush unit to factory defaults via “Restore Defaults“.

Select “OnAir Indicator Settings“ to state whether you are using an older m!ka Mic Arm with a single-color OnAir Indicator (red) or a current model with dual-color OnAir Indicator (red/white). You will automatically be prompted to make this selection the first time you connect hush to your computer and open the app.

Block Diagram hush



The block diagram above shows you the functional structure of the model hush. Please note that your microphone signal is passed through completely unaffected when using hush. A mute function, for example, is not provided in this variant.



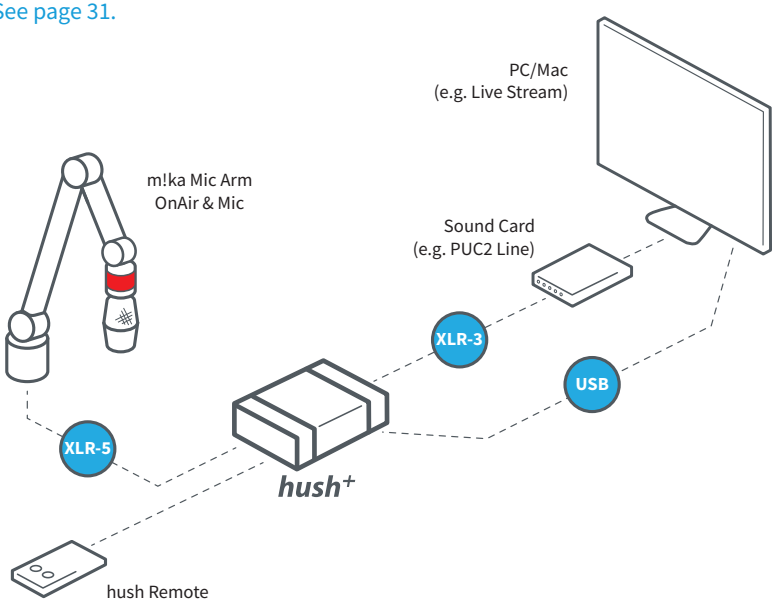
The block diagram above shows the functional structure of the hush+ device. In contrast to hush, hush+ offers you control options for your microphone signal. hush+ comes with a high-quality microphone preamp. It offers you various options optimizing and controlling your mic signal, e.g. a mute function. See page 31.

hush in Streaming Setup

As versatile OnAir Controllers, hush and hush+ give you control over your OnAir signaling. To show you common configurations, we have illustrated some application examples on the following pages.

Many streamers do not use hardware that supports red light control. hush in Remote mode is the ideal plug'n'play solution. Connect your hush Remote to your hush device using the included USB-C cable. With the push of a button you can now activate the red light on your m!ka Mic Arm with OnAir indicator. See page 29.

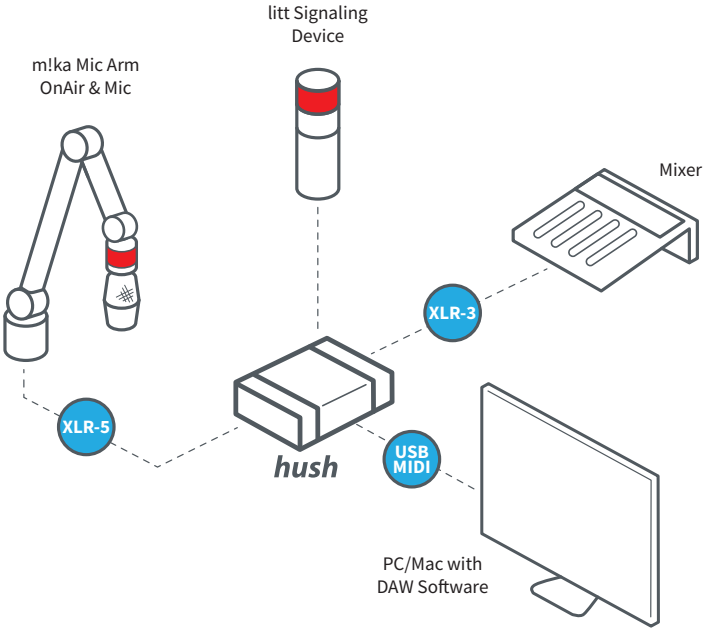
To connect the audio signal of your mic to your computer, you need a sound card. Use it, as well as your video recordings, to start a (live) stream or call via your computer. When using the hush+ version, its high-quality preamp takes care of the optimal amplification of your mic signal. You get first-class sound for your stream. See page 31.



hush in Audio Production Setup

hush can be excellently integrated into a PC workstation for red light control. Use the mode “USB-MIDI“ and connect hush via USB to your PC or Mac. This setup allows you to control the OnAir indicator of your m!ka Mic Arm directly from your PC. As soon as you start a recording in your DAW software, the OnAir indicator on your mic arm will be activated simultaneously.

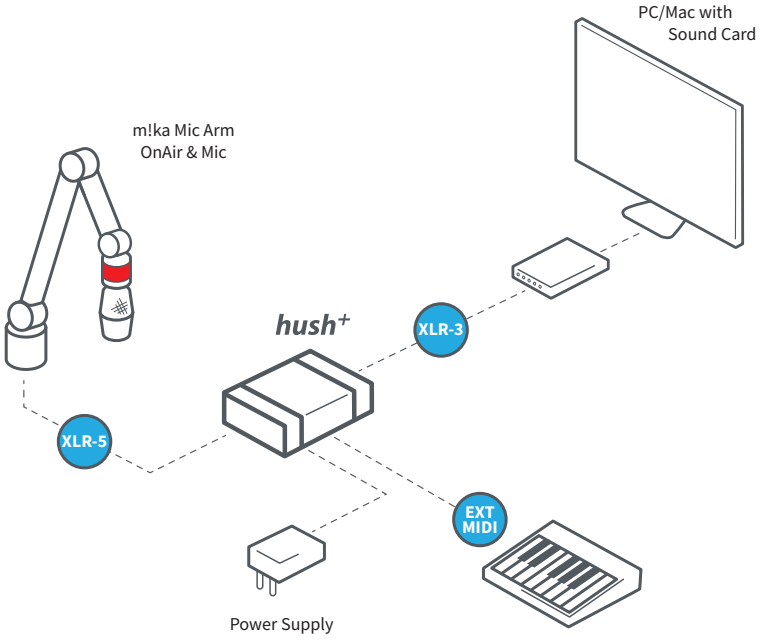
Besides controlling the OnAir signal at your m!ka Mic Arm, hush optionally also allows you to control the LED signal of Yellowtec‘s litt Signaling Device. For example, install litt from the outside next to your studio door to show everyone around that you are currently OnAir and do not want to be disturbed.
Find more info about litt at www.yellowtec.com/litt.



hush in External MIDI Setup

Comfortably integrate your hush or hush+ device into your MIDI infrastructure via plug‘n‘play to control it via MIDI hardware. You can use any MIDI device for this purpose. hush gets you maximum flexibility for integrating the OnAir signaling into your individual MIDI environment.

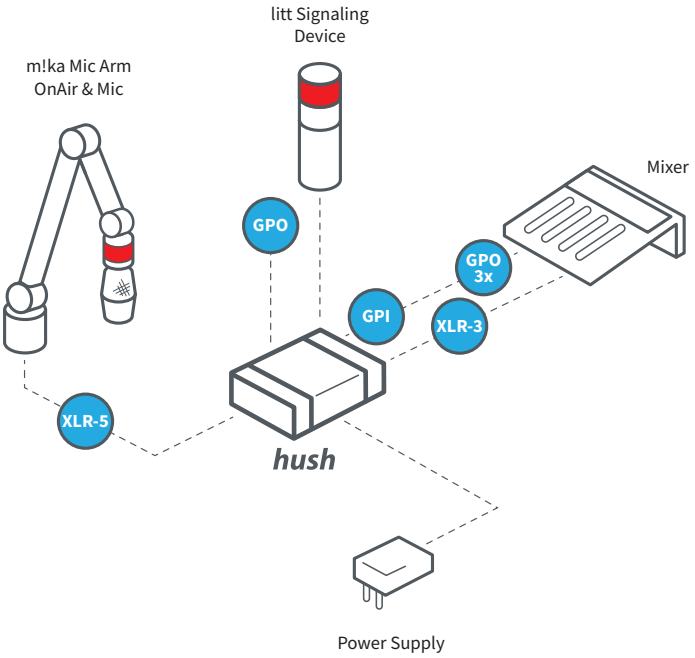
If you need to make adjustments to your hush‘s default MIDI preset, use the hush App. It offers you extensive configuration options in the tab MIDI SETUP.
See page 32.



hush in Broadcaster Setup

The control via GPIs fulfills all wishes for the integration of hush and hush+ into a professional broadcast infrastructure. Select the GPIs to integrate hush into the already existing red light logic of your system (red / white / mute).

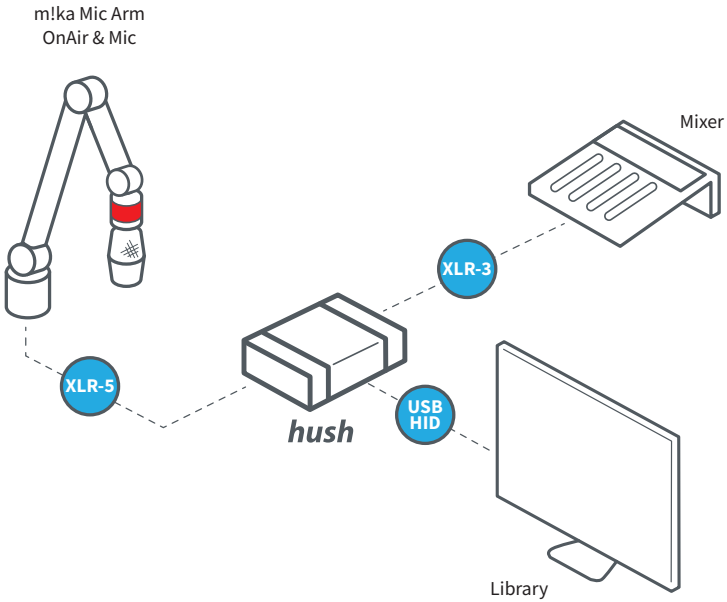
Besides controlling the OnAir signal at your m!ka Mic Arm, hush optionally also allows you to control the LED signal of Yellowtec's litt Signaling Device. For example, install litt from the outside next to your studio door to show everyone around that you are currently OnAir and do not want to be disturbed.
Find more info about litt at www.yellowtec.com/litt.



hush in Library Setup

You can also control your hush unit via specially defined software commands. To use your own software commands to control your OnAir signaling, select the USB-HID mode in the hush App or directly on your hush or hush+ unit.

For the definition of software commands we provide your with libraries for PC and Mac. Please find them at www.yellowtec.de/hush/downloads.



EU Declaration of Conformity

According EC Directive 2014/30/EU (EMC - Directive)

We, Yellowtec GmbH, Heinrich-Hertz-Str. 3, 40789 Monheim, Germany
herewith declare in sole responsibility that the products

hush+ OnAir Controller (Product Code: YT3902)
hush OnAir Controller (Product Code: YT3903)
hush Remote (Product Code: YT3904)

observe the essential protection and safety related requirements determined in the European council directive for the adoptions of the legal regulations of the Member States about the electromagnetic compatibility (2014/30/EU).

The judgement of the products as to electromagnetic compatibility was effected on the basis of the following EC harmonized standards:

EN 55032:2015 + AC:2016 + A11:2020 + A1:2020
EN 55035:2017/A11:2020
EN61000-4-2:2009
EN61000-4-3:2006 + A1:2008 + A2:2010
EN61000-4-4:2012
EN61000-4-6:2009

The declaration applies to all specimen manufactured according to the sample tested.
The last two digit of the year of affixing the CE marking is “23“

Address of EC responsible:
Hanno Mahr, Heinrich-Hertz Str. 3, 40789 Monheim, Germany

10-04-2023, Hanno Mahr, CEO
Date and Countersign of EC representative

UKCA Declaration

UK Declaration of Conformity

According to Electromagnetic Compatibility Regulations 2016

We, Yellowtec GmbH, Heinrich-Hertz-Str. 3, 40789 Monheim, Germany
herewith declare in sole responsibility that the products

hush+ OnAir Controller (Product Code: YT3902)
hush OnAir Controller (Product Code: YT3903)
hush Remote (Product Code: YT3904)

to which this declaration refers, complies with the
following regulations, enactments and standards.

The judgement of the products as to electromagnetic compatibility
was effected on the basis of the following EC harmonized standards:

EN 55032:2015 + AC:2016 + A11:2020 + A1:2020
EN 55035:2017/A11:2020
EN61000-4-2:2009
EN61000-4-3:2006 + A1:2008 + A2:2010
EN61000-4-4:2012
EN61000-4-6:2009

The declaration applies to all specimen manufactured according to the sample tested.

Name and Address of the person authorized to compile the technical file:
Hanno Mahr, Heinrich-Hertz Str. 3, 40789 Monheim, Germany

Details of the signatory:
Name: Mahr
First Name: Hanno
Position: CEO

Monheim, 10-04-2023

FCC Declaration of Conformity

These devices comply with Part 15 Subpart B of the FCC rules.
ANSI C63.4-2003 in execution to the FCC regulations, rules and limits of FCC 47 CFR §15.101 and §15.109. Operation is subject to the following two conditions:

1. These devices may not cause harmful interference.
2. These devices must accept any interference received, including interference that may cause undesired operation.

Manufacturer:
Yellowtec GmbH, Heinrich Herz Str. 3, 40789 Monheim, Germany

Contact Person:
Reinhard Gallos, Product Manager
Phone: +49 2173 967 423
Fax: +49 2173 967 403
Email: rgallos@yellowtec.com

Model Names:
hush+ OnAir Controller (Product Code: YT3902)
hush OnAir Controller (Product Code: YT3903)
hush Remote (Product Code: YT3904)

Type of Equipment: Multimedia Device
Classification: Class B Equipment

We hereby declare that the equipment bearing the model names specified above was tested conforming to the applicable FCC rules under the most accurate measurement standards possible, and that the necessary steps have been taken and are in force to ensure that production units of the same equipment will continue to comply with the Commission's requirements.

Manufacturer's Signature: April 2023, Reinhard Gallos, Product Manager

Responsible Party's Signature: April 2023, Hanno Mahr, CEO Yellowtec GmbH

hush BB v1

www.yellowtec.com/hush

shop.yellowtec.com

Manufactured by Yellowtec GmbH, Heinrich-Hertz-Str. 3, 40789 Monheim, Germany