

# VCCS

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# VCCS

## Introduction

Several communication channels are combined into a single system via a voice communication system (VCS). A basic telephone may be adequate for certain ATS units (like an AFIS or Tower unit at a small airport), but this is typically not the case for large ATC centres that house a variety of sectors or when multiple ATS units are housed in the same building (like Tower, Approach, and Area control units).

In Euroscope, this is known as VCCS.

## Features

There is no defined standard on what a VCS should have, but below are some common features.

- Graphical User Interface
- Part of the screen dedicated to frequency management (frequency selection and adjustment, coupling, etc.).
- Part of the screen (normally the largest) dedicated to phone shortcuts (phones that can be dialed using a single button). These may be placed on multiple pages in some systems.
- Additional phone options, e.g. a dial pad, a phone directory, etc.
- A control panel, containing options for e.g. volume adjustment, selection of output devices (e.g. headset or speakers), incoming call sound selection, etc.
- Functional buttons, e.g. for transferring calls, conference calls, push-to-talk feature, etc.
- Definition of roles and corresponding layouts. For example, different ACC sectors may have different phone shortcuts or different frequencies available, while an assistant panel may lack the frequency section.



Fig 1: Euroscope VCCS Window

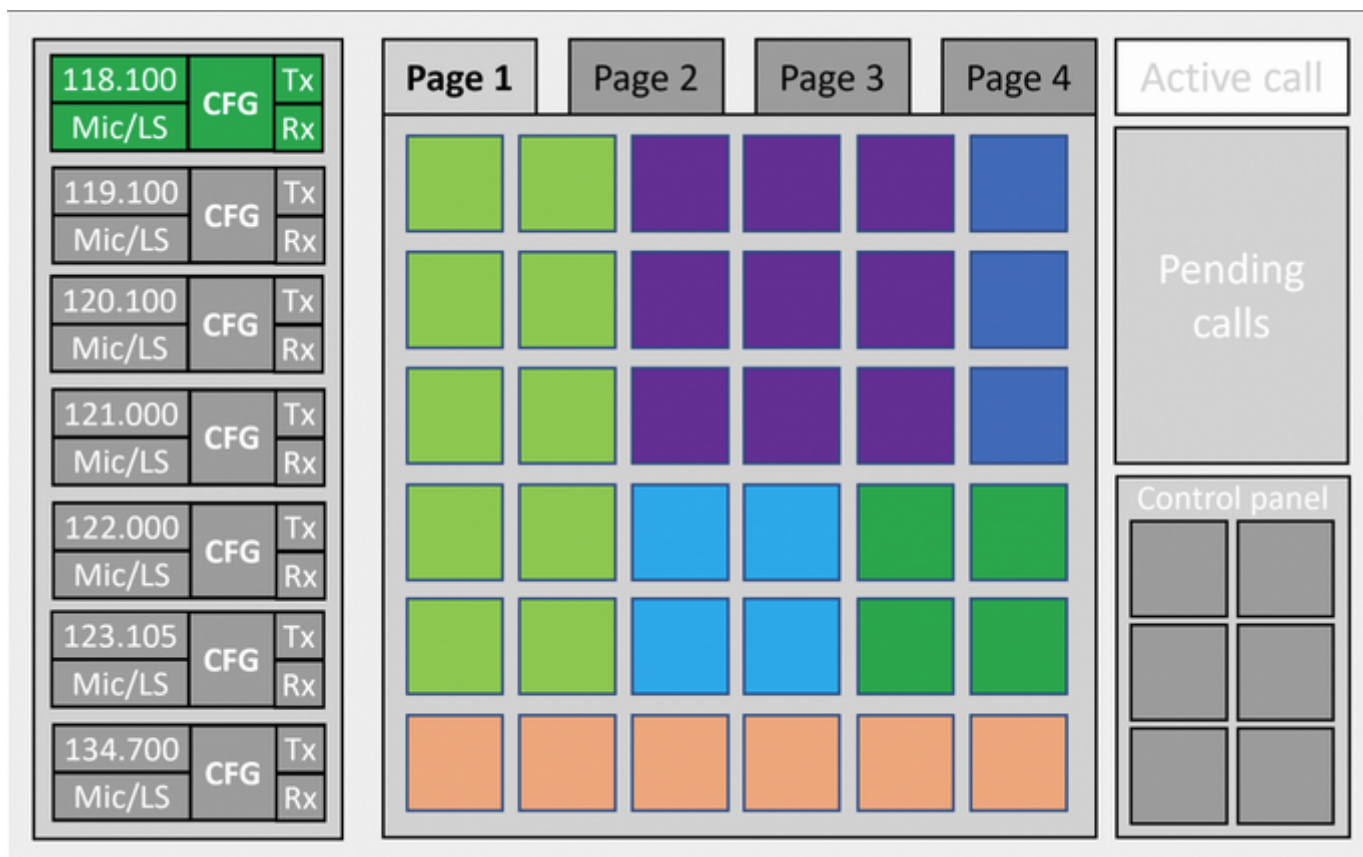


Fig 2: VCS Window (Source: Skybrary)

## Setup

To access your VCCS panel, open Euroscope and go to:

1. Other SET
2. VCCS dialog ...

Alternatively, right click on the left column in the window below.

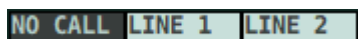


Fig 3: Euroscope mini VCCS window

## Editing Settings

To edit settings, select **EDIT** in the VCCS dialogue.

**Server data**

Server name:  Server port:  G2A PTT

Nickname:  G2G PTT

**Ground to air channels**

Channel

Frequency:

**Ground to ground channels**

Line 1	Line 2	Position
GMMN	GND	1 / 1 / 3
GMMN	TWR	1 / 1 / 2
GMMN	APP	1 / 1 / 1
GMMM	ACC	2 / 1 / 1
GMMM	ACC E	2 / 3 / 1
GMMM	ACC N	2 / 2 / 1
GMMM	ACC S	2 / 4 / 1
GMMX	GND	1 / 2 / 3
GMMX	TWR	1 / 2 / 2

Button line 1:

Button line 2:

Position:

Color:

Position ID:

**Devices**

Capture mode:

Capture device:

Playback mode:

Playback device:

Fig 4: VCCS setup Dialog

You must edit the following settings:

- Nickname
  - This shall be your VATSIM CID
- G2A PTT
  - Your  push-to-talk
- G2G PTT
  - Your  push-to-talk
- Capture device
  - This is your microphone
- Playback device
  - This is your headphones/speakers

Editing other settings may cause your installation to break!

Click  after confirming your settings.

## Usage

To call a user on VCCS, either:

- Right click them on the controller
- Open the VCCS window (Fig. 1)

Select the station you wish to call by clicking on them.

## During the call

When a station is speaking, their window on the VCCS panel (**Line 1** on Fig. 1 & Fig. 3) will turn to a lighter shade of white.

When you are speaking, it will turn to an orange colour.

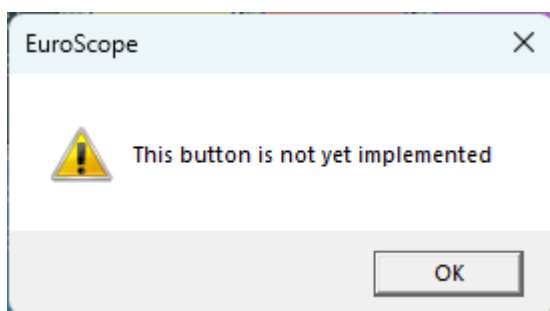
## Ending a call

There are two ways to end the call.

- Click on the station in the VCCS mini window (Fig. 3)
- Click **END** on the VCCS Dialog window. (Fig. 1)

## Other VCCS functions.

EuroScope has other VCCS functions such as TRANSFER, CONFERENCE, ROLE and HOLD, however, these have not been implemented it.



*Fig. 5: Euroscope warning screen*