

ACU6520, ACU6521

Digital Audio Control Unit

DZUS

3D Audio

Intercom

Overview

The DVCS6500 ICS System can be controlled with a variety of HMI control panels. The Becker Avionics Audio Control Units (ACU) are remote audio control units, which were designed for rotary and fixed wing aircraft. Their comfortable control with rotary encoders and channel switches leads to an unsurpassed reliability and ease of use. Up to 4 Audio Control Units (ACU) can be connected per ARU. The DVCS6500 System can be scaled up to 3 ARUs supporting up to 12 independent ACU control units.

For installations with limited space the ACU6521 is a cost-effective solution to support multiple functions.



ARU6510



ACU6520



ACU6521

The ACUs have been certified according: ETSO C139a, ETSO C59b, DO 214A, DO 178C Level C, DO 254 Level C and DO 160G.

Features

- Mission-oriented Human Machine Interface (HMI)
- Monitoring and individual volume control of up to 14 transceivers on ACU6520 or up to 10 transceivers on ACU6521
- 2 voltage control inputs can be used as dimming inputs or for additional features
- 2 control inputs for PTT or for additional features
- 2 control outputs for status indication
- 3D audio access
- Simulcast, marker mute, VOX sensitivity, relay mode
- Emergency functionality
- Easy device change – configuration saved in main units
- Up to 4 control units (ACU652X) can be connected to each ARU6510
- Less weight
- NVIS version available



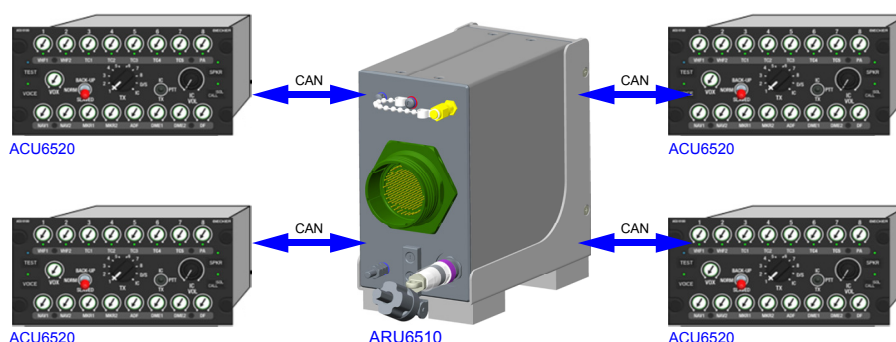
Technical Data

ACU6520, ACU6521	Specification
Nominal voltage	28 VDC
Nominal current consumption (one ACU) at 28 V	≤ 0.2 A
VCTRL input	0...28 V
Discrete in/outputs	2/2
Dimming input	Control Input 1: 0...28 V Control Input 2: 0...28 V
Forced cooling	No forced cooling required
Altitude	50 000 ft
Operating temperature	-40...+55 °C
Storage temperature	-55...+85 °C
Short time high operating temperature	-70 °C
Dimensions HxWxD	ACU6520: 75.8 x 145.8 x 98 mm ACU6521: 47.6 x 145.8 x 98 mm
Weight	ACU6520: ≤ 800 g ACU6521: ≤ 600 g
Installation	Panel installation in cockpit environment, DZUS fastener (4x)
Certifications	ACU6520, ACU6521: DO-214A, DO178C Level C, DO-254 Level C and DO-160G, EASA.210.10076774
Options	NVIS compatible
Accessories	Customized panel labels



Customized panel labels for ACU6520 & ACU6521

DVCS6500 System Application with ACU6520:



DVCS6500 System Application with ACU6521:

