

SIRIUS® PCM FS2



A small, single-source hardware package that combines PCM frame sync/decomm with PCM encoder capabilities in a small, lightweight, powerful package changing the game in PCM hardware and capabilities.

DEWESOFT 7-YEAR WARRANTY

Our warranty covers that the instruments function as promised for a period of 7 years from the day of the delivery.

PCM OUTPUT

One channel can be used as an output for use as a PCM simulator, Chapter 10 playback, and PCM encoder allowing troubleshooting or a front-end solution.

EXPANDABILITY

Multiple units can be easily connected creating higher channel counts.

FLEXIBILITY

2xPCM is system agnostic. Adding the 2xPCM can be added to other systems via the software.

DUAL-CHANNEL PCM INTERFACE

Each 2xPCM is capable of receiving two channels of clock and data on a single-ended or differential input. Speeds up to 40 Mbps input are set allowing data, video, and audio bandwidth inputs. If additional input channels are required, the 2xPCM can be connected with additional 2xPCM units providing the inputs required. The stackable design allows quick, secure connections.

STANDALONE OR FULL GROUND STATION

Additional Dewesoft hardware is not required for the 2xPCM. If you have an existing PCM stream, you can flow that data through the 2xPCM and the Dewesoft hardware package with the PCM plugin. Combine that with analog ins, chp 10, PCM, 1553/429, iNet, serial, GPS, video, digital, and even CAN data. You will have a single source for all information within a code-free software environment.

PCM OUTPUT

Channel 1 can be set from an input to an output which allows the 2xPCM to be used as a PCM simulator or encoder. This output signal can be simulated via software allowing the user to simulate the PCM stream or playback a Chapter 10 recording.

All collected Dewesoft parameters within the software can be transmitted as well for the 2xPCM to be a true encoder in any application. Pair this with the IRIG 108 Chapter 10 plugin capabilities, you now have a small addition to the Dewesoft suite that will now broadcast and receive PCM meeting the needs of your testing requirements.

COMPACT SIZE FOR ANY APPLICATION

Weighing in at less than 2 pounds and with the dimensions of 5.5 in X 5.5 in X 2.5 in. This small, lightweight PCM hardware can be used in all settings such as on aircraft or inside a control room with a very little footprint or weight. When used on aircraft, the 2xPCM can be placed in unconventional areas and is not constrained to standard mounting conventions. In a control room, the 2xPCM can easily fit on top of, or behind a tower-based CPU and within a 19" rack with the low intrusion. The design is also small enough to take with a small windows based tablet and perform ramp/ launchpad test and checkouts with no additional power required as the power source are the tablet. The design was based on multiple usage cases. Take the 2xPCM out on the ramp, then throw that same unit in the control room without the worries of durability.



SYSTEM GROWTH

2xPCM can be added to any and all existing Dewesoft equipment which adds PCM hardware and software in single-time sync'd location to new or existing systems.

INPUT SPEED

Capable of receiving two independent streams of 40 Mbps clock and data streams into a platform-independent solution.

COMPACT SIZE

The small size with its super lightweight allows its use in applications such as backpacks, test and checkout carts, even onboard the test article.

USB DEVICE

Communication is done via USB. IRIG time can be passthrough or inputted via IRIG BNC ports. Dewesoft sync ports allow time sync connections between all capable equipment for ease of time sync capability. 2x single-ended and Diff connection are on the front plate for each of the two channels.