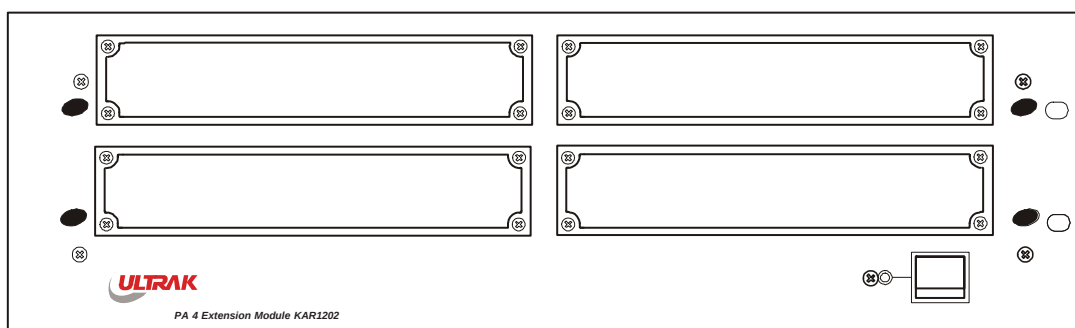


# Modular Expansion Unit

## KAR1202E



The KAR1202 is a 4 Extension Module for Ultrak FlexPRO audio modules, new pre-amplifier/matrix modules and ultrak's new power amplifier modules. The unit is mains powered and supplies power for the modules 24V DC standby power can be used during mains failure. Up to 4 KAK2111T digital Message units to be controlled via a RS485 serial data link. Four XLR connectors provide balanced audio from each module.

The mixed audio is also available on an XLR connector. Line/AUX input and AUX Output are provided via a 5 pin DIN connector for direct connection to the KAR1 or KAR2 input of the KAP2082(E). 4 mic/line inputs with 1/4 inch connections.

### FEATURES

- Multiple expansion ports allow the use of up to four additional UltrakPA FlexPRO KAK series modules digital control relay module and relay zone module
- Compatible with UltrakPA KAA, KAB series mixer/pre amp and UltrakPA new KAK power amplifier modules
- 4 mic/line inputs with 1/4 inch connections
- Line/AUX input and AUX output are provided via a 5 pin DIN connector for direct connection
- 19" Rack mountable.
- Remote control of up to (4) KAK2111T digital message units. (Total of 24 messages)
- Balanced outputs for each 4 module and one mixed output
- 24 V DC standby operation
- 230, 240 and 120V AC operation



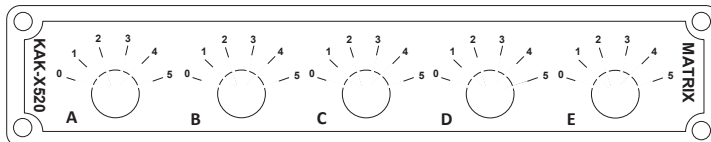
# KAR1202E

## COMPATIBLE FlexPRO PRE-AMPLIFIER/MATRIX MODULES

### KAK-X520 Digital matrix module

- 5 Inputs / 5 Outputs
- 5 positions for zone selection
- Cascadable up to 21 zones
- Broadcast your choice of either music or voice message
- For use with KAA, KAB and KAK series amplifiers
- CE approved
- 3- year limited warranty

NEW

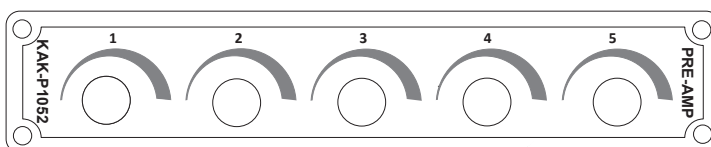


### KAK-P1052 Pre-amplifier module

- 8 Inputs
- 5 line/mic inputs, 2 Paging mic inputs, 1 digital message
- 5 Volume control potentiometer
- Cascadable
- CE approved

NEW

**KAK-P1051:** 8 Inputs Mixer pre-amplifier module  
1 line/AUX input, 4 mic inputs with separate volume controls  
2 paging mic inputs, 1 internal source input  
With bass and treble adjustments (optional)  
With master volume control

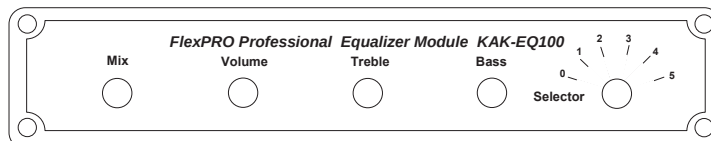


**KAK-P1050:** 6 Inputs Mixer pre-amplifier module  
3 mic/ line inputs with separate volume controls  
2 paging mic inputs, 1 internal source input  
With bass and treble adjustments (optional)

### KAK-EQ100 Professional equalizer module

- Mix Output
- Selective Input
- Treble and bass adjustment
- CE approved
- 3- year limited warranty

NEW

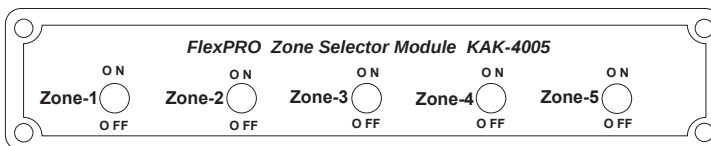


### KAK 4000 Series Zone selector module

- For use with all Ultrak amplifiers
- 3- year limited warranty

NEW

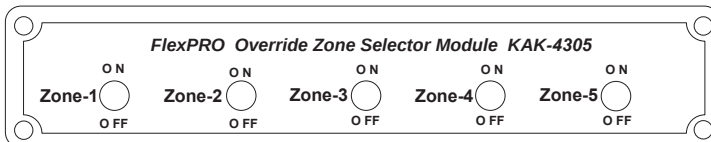
**KAK4010:** 10 zone selector (on/off)  
**KAK4005:** 5 zone selector (on/off)  
**KAK4105:** 5 zone selector with attenuator  
**KAK4205:** 5 zone selector with selective (A/B) inputs  
**KAK4210:** 10 zone selector with selective (A/B) inputs



### KAK-4305 Override zone selector module

- 5 Inputs
- 5 Outputs
- Priority levels
- Compatible with Ultrak paging microphones
- CE approved
- 3- year limited warranty

NEW

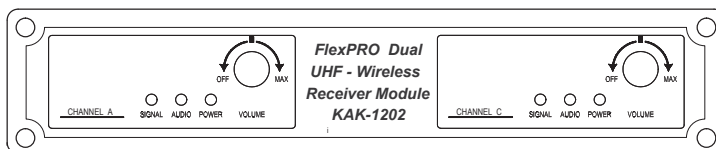


### KAK 1200U Series UHF wireless receiver module

- CE approved
- 3- year limited warranty

NEW

**KAK1201U:** 1 UHF wireless receiver module  
**KAK1202U:** Dual UHF wireless receiver module  
**KAK1202UR:** Dual UHF wireless rack mounted receiver  
**KAK1203U:** External UHF wireless receiver

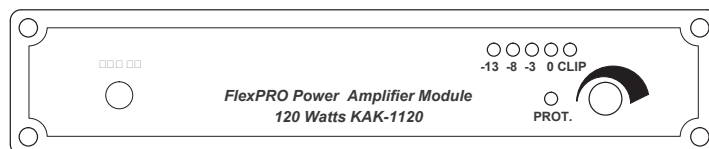


# KAR1202E

## COMPATIBLE FlexPRO POWER AMPLIFIER MODULES

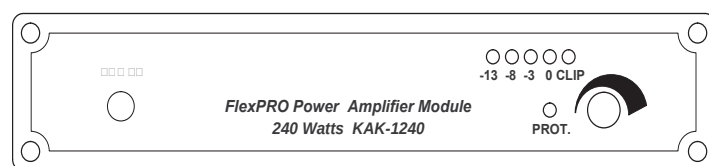
### KAK-1120 FlexPRO Power Amplifier Module

- Single channel
- 120W (RMS)/ 240W (MAX) **NEW**
- LED Output level meter
- Automatic variable speed fan
- Power overload protection
- Full protection
- Noise suppression on start-up
- Selectable 50V,70V,100V operation
- Selectable 4, 8, 16 ohm operation (optional)
- CE approved



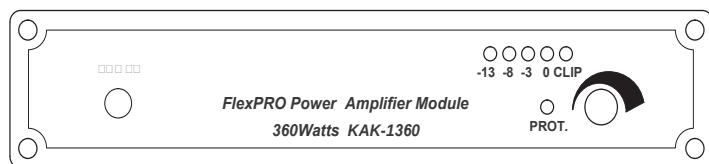
### KAK-1240 FlexPRO Power Amplifier Module

- Single channel
- 240W (RMS)/ 480W (MAX) **NEW**
- LED Output level meter
- Automatic variable speed fan
- Power overload protection
- Full protection
- Noise suppression on start-up
- Selectable 50V,70V,100V operation
- Selectable 4, 8, 16 ohm operation (optional)
- CE approved



### KAK-1360 FlexPRO Power Amplifier Module

- Single channel
- 360W (RMS)/ 720W (MAX) **NEW**
- LED Output level meter
- Automatic variable speed fan
- Power overload protection
- Full protection
- Noise suppression on start-up
- Selectable 50V,70V,100V operation
- Selectable 4, 8, 16 ohm operation (optional)
- CE approved

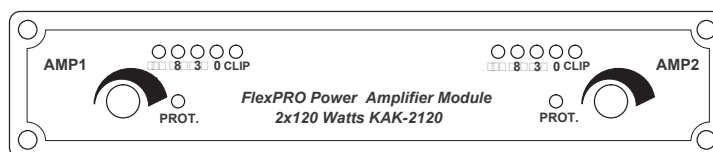


### KAK-1480 FlexPRO Power Amplifier Module

Same as above but 480W (RMS)/960W (MAX) **NEW**

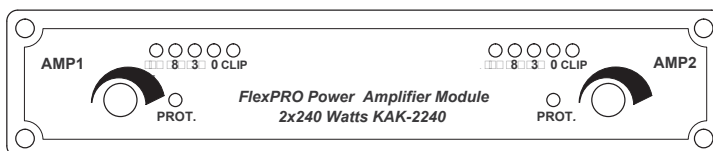
### KAK-2120 FlexPRO 2 Channel Power Amplifier Module

- Double channel
- 2x 120W (RMS)/ 2x240W (MAX) **NEW**
- Dual LED Output level meter
- Automatic variable speed fan
- Power overload protection
- Full protection
- Noise suppression on start-up
- Selectable 50V,70V,100V operation
- Selectable 4, 8, 16 ohm operation (optional)
- CE approved



### KAK-2240 FlexPRO 2 Channel Power Amplifier Module

- Double channel
- 2x 240W (RMS)/ 2x480W (MAX) **NEW**
- Dual LED Output level meter
- Automatic variable speed fan
- Power overload protection
- Full protection
- Noise suppression on start-up
- Selectable 50V,70V,100V operation
- Selectable 4, 8, 16 ohm operation (optional)
- CE approved



# KAR1202E

## TECHNICAL SPECIFICATIONS

### ELECTRICAL

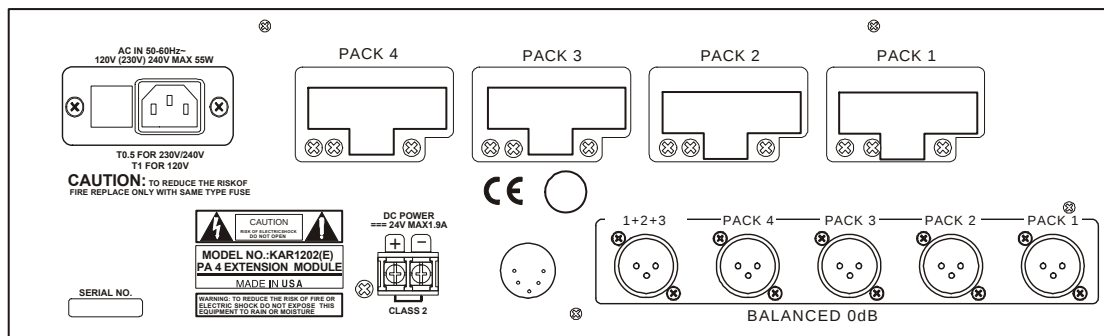
|                         |                                |
|-------------------------|--------------------------------|
| Frequency Response      | 20 Hz-20KHz, Less than -0.5 db |
| Signal To Noise Ratio   | > 68 db                        |
| Output Level            | +6 dBu                         |
| THD at 1kHz Rated Power | > 0.02%                        |
| Input Sensitivity       | Line: 0dBu                     |

### ENVIRONMENT & MECHANICAL

|                       |                                                                     |
|-----------------------|---------------------------------------------------------------------|
| Temperature Storage   | 20°C to +70°C-                                                      |
| Temperature Operation | 0 to 50°C                                                           |
| Humidity              | RH to at least +65°C (non condensing 80%)                           |
| Altitude              | 3000 meter max                                                      |
| Dimensions            | 19.2(W)x 13.78 (D) x 5.23 (H) in.<br>483 (W) x 350 (D) x 133 (H) mm |
| Weight                | Body Only 7 kg<br>15.43lbs                                          |

### POWER REQUIREMENTS

|              |                                      |
|--------------|--------------------------------------|
| Power Source | AC 120V/220V/230V/240VAC (50 / 60Hz) |
|              | DC 24VDC                             |



Conversion: 1" = 25.4mm  
Measurement conversions are approximate

Design and specifications subject to change without notice.

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