



**Universal Handheld Controller (RCH-1000)**

Teledyne Paradise Datacom's Universal Handheld Controller (RCH-1000) is a versatile device used to interface with a variety of Teledyne Paradise Datacom amplifiers, including Compact Outdoor SSPA, Mini Compact Outdoor SSPA, or H-Series High Power Outdoor SSPA (S/N  $\geq$  400,000).

The device enclosure features a seal which provides an ingress protection level of IP65. This allows the controller to be used in most outdoor environments. The enclosure's rugged construction provides some protection from impact and vibration.

When connected to an amplifier, this device allows the operator to adjust the attenuation of the connected unit, control the mute/unmute selection, and monitor the status, conditions and settings of the connected unit via a serial RS-485 connection. Faults and other events are tracked in the controller's 41-line log.

The front panel of the controller features six light emitting diodes, eight keys and a 2.5 in. x 1.3 in. OLED display.

A Quick Start cable is provided with each Universal Handheld Controller. This cable must be ordered based on the type of unit to which the controller will be connected. A controller will operate with any type of compatible unit as long as the proper cable is used.

## SPECIFICATIONS

### Used with:

Compact Outdoor SSPA  
 Mini Compact Outdoor SSPA  
 High Power Outdoor SSPA

### Ingress Protection Rating:

IP65

### Material:

ABS Plastic

### Connector type:

Push-to-lock Molex Ultralock  
 M12 (M)

### Mating connector:

Molex Ultralock M12 (F)

### Dimensions:

Width: 6.85" (173.98 mm)  
 Height: 3.23" (82.05 mm)  
 Depth: 1.593" (49.46 mm)

### Weight:

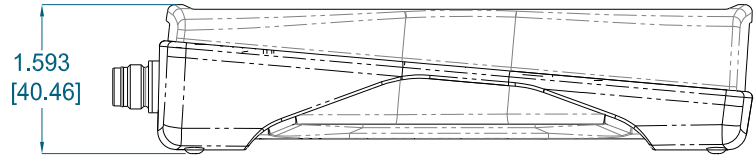
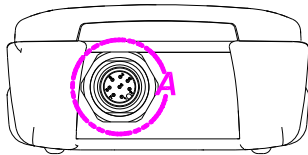
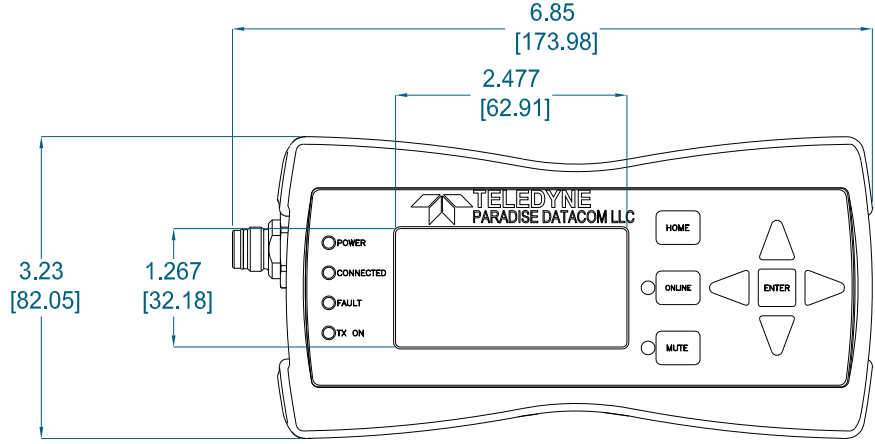
< 8 oz. (< 0.23 kg)

**Outline Drawing, Universal Handheld Controller**

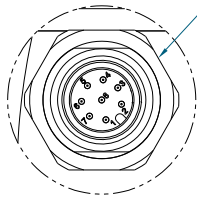
EAR99 Technology Subject to Restrictions Contained on the Back Page.

**Pin-Out, Molex UltraLock M12(M)**

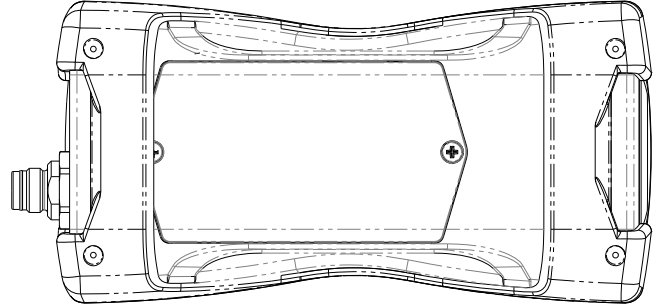
Pin	Description
1	RS-485 -
2	RS-485 +
3	+6 to +30 VDC Input
4	+4 to +5.5 VDC Input
5,6	GND
7,8	No connection



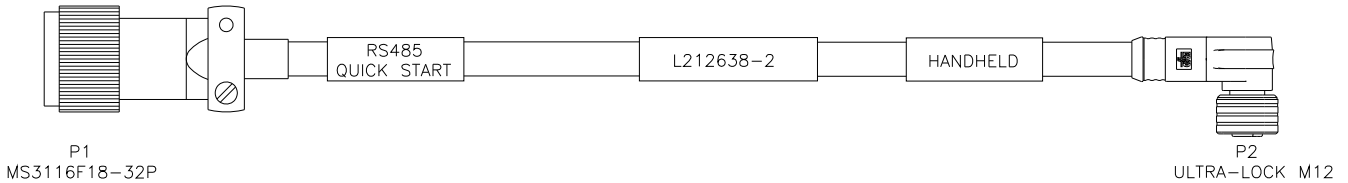
**DETAIL A  
 SCALE 2 : 1**



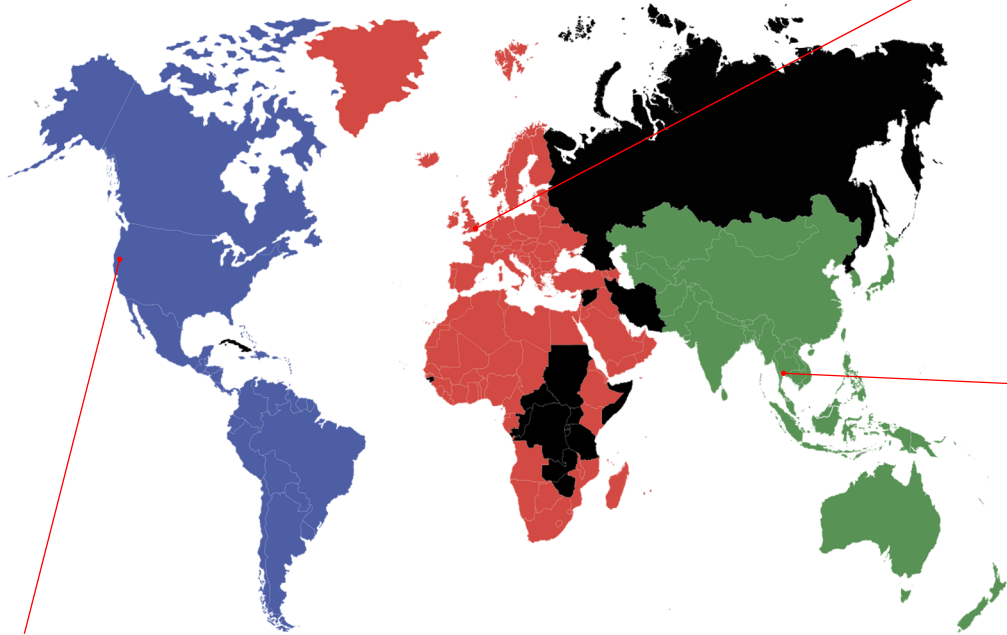
MOLEX ULTRALOCK  
 M12(M) CONNECTOR  
 M12(F) MATING CABLE  
 SOLD SEPARATELY



**Quick Start Cable (L212638-2) for Mini and Standard Compact Outdoor SSPAs**



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**Data Security:** Teledyne Paradise Datacom amplifiers and controllers do not inherently provide encryption to transmitted data, and have limited security measures to protect it. If the unit will be accessible over the Internet, exercise appropriate data security protocols. Teledyne Paradise Datacom strongly recommends placing the equipment behind a protective Firewall or setting up a VPN link with dual authentication for remote access.

Specifications are subject to change without notice.