

Problem solving Cables that Interconnect Medical Devices

Better, faster patient care and simplified workflow too!

For over 50 years, our focus has been on the integration standardization, and compatibility of diverse physiologic monitoring and life support equipment and systems. Thousands of hospitals across the United States trust and rely on our products every day.

for further info, See **MaguireEnterprises.com** or call **800-548-9686**

Interconnect Products



Problem: How can the physiologic monitoring device of one manufacturer be interconnected to that of a different manufacturer or device?

Our Solution: Our knowledge of the industry's physiologic monitoring devices enables us to develop the cabling to interconnect them. This expertise helps you connect the output of one monitoring device directly to the input of another for simultaneous remote display of the ECG and IBP waveforms.

Output Multipliers



Problem: Multiple pieces of critical monitoring equipment in the CVOR and Hybrid OR require receiving ECG and IBP signals from the patient. But many physiologic monitors are equipped with only one input and one output connection, if an output exists at all. And depending on the patient and procedure, adding extra sets of patient cables can be problematic, not to mention the cable clutter it brings.

Our Solution: Increase the number of available output connections at the Anesthesia monitor by integrating our unique Output Multiplier. This product enables the simultaneous viewing of analog ECG and IBP waveforms on the remote display of a defibrillator, balloon pump, ultrasound, hemodynamic device, pacemaker programmer and more.

Device Alarm



Problem: How does a facility meet JAACO standards regarding critical alarm alerts, particularly for instances when the nurse is located remotely?

Our Solution: Enable critical remote alarm monitoring at the nurses station with our Device Alarm Nurse Call Cables (DANCE). These reliable products connect between the equipment and the headwall nurse call jack near the patient's bedside. Cables are available for a host of devices such as ventilators, infusion pumps, monitors and pulse oximeters. Use these alarm cables in conjunction with our Input Multiplier for simultaneous connection of up to three devices.

Pacer System Cables



Problem: How does the Clinical Pacer Specialist ensure readiness to slave to the facility's defibrillator and/or patient monitoring equipment?

Our Solution: Our exclusive Multi-Defibrillator Adapter is universally accepted for connecting the pacemaker programmer to the most current model defibrillators on the market. Used in tandem with our rugged pacer cables, you'll be assured of a reliable ECG connection every time. Need to slave from the primary monitor? We've got you covered there too.

Connections for your OEM



Problem: How can a manufacturer's Sales Rep assure the customer or prospect that their device will successfully integrate with the facility's existing patient monitoring equipment?

Our Solution: Talk to us in advance of your next presentation to learn how our products support your demos. Having this information equips you to answer customer questions and concerns regarding their needed interoperability. Our knowledgeable staff will quickly guide you toward the cable solutions needed for interconnecting ECG and IBP waveforms between all critical monitoring equipment

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Cardiac Surgery - Anesthesia

Our products in the Operating Room, CVOR, Hybrid Suites, and Cath Lab setting...

These surgical areas are either permanently equipped or periodically host supplemental physiologic monitors, life support, and/or therapy equipment; each requiring a patient cable input connection using a unique set of electrodes, lead wires, and/or pressure transducers. We offer a solution that eliminates these siloed connections (*one patient cable per device*) and enables one monitor (*typically the anesthesia monitor*) to advance ECG and IBP signals and waveforms onto the displays of multiple secondary monitors/devices. This efficient method of integration reduces the number of tethered cables at the patient and offers synchronized displays. For the clinician, connecting fewer patient cables saves time and speeds up patient setup. For the surgeon, there is less cable clutter in both the surgical field and site. For the patient, there are fewer disruptions from tethered connections, which impacts their experience.

Our interconnect cabling solution for surgical areas include:

1. **Output Multiplier:** connects to the analog output of the primary patient monitor and enables simultaneous signal transfer of ECG and invasive pressure onto peripheral device displays.
2. **Coordinating 1/4" ECG and IBP interconnect slave cables:** used in tandem with the *output multiplier* to link the multiplier's ECG and/or IBP output to the unique input of each needed supplemental monitor (i.e. defibrillator, balloon pump, cardiac ultrasound, hemodynamic monitor, ultrasound, and pacer programmer).

Additional MAGUIRE products also utilized in surgical areas:

1. **Defibrillator input Adapter:** connects to the ECG or IBP input of the defibrillator and allows the device to accept a GE Healthcare or Philips Healthcare patient cable. The ability to connect the patient to the defibrillator using the bedside patient cable helps promote standardization across care areas.
2. **Defibrillator Output Adapter:** connects to the ECG output of the defibrillator into the pacer programming device, providing the pacer specialist with the physiologic signal needed to confirm capture.

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Critical Care

Our products in the Critical Care setting PACU, ICU, CCU, NICU, and PICU...

In the ICU and critical care areas of the hospital, it is beneficial to utilize an interconnect cable (*aka slave cable*) between the bedside monitor and a necessary therapeutic device (*i.e. intra-aortic balloon pump, hemodynamic monitor, manual defibrillator, or pacemaker programmer*). Our reliable cables are able to utilize the ECG or invasive pressure signal found at the *host* monitor and transfer it to the display of the ancillary device. The integration of two pieces of medical equipment with an interconnect cable is simple and removes the otherwise need for supplemental patient cables, electrodes, and/or pressure transducers. And because this method needs fewer tethered cables, it is less disruptive to the patient, especially the neonatal, pediatric, or similarly fragile patient.

Our most demanded connections in a Critical Care setting are:

Balloon pump slave cables Defibrillator slave cables
Hemodynamic/CCO slave cables Ultrasound slave cables

Respiratory Dept

Our products for connecting medical equipment to the Central Nurse Call System...

Device Alarm Nurse Call Cables connect the alarm output of medical equipment to the central station alarm monitoring system. The typical nurse call system input is located at the headwall jack near the patient's bedside.

The most popular alarm cables are available for the following devices:

Ventilators **Bedside Monitors** **Infusion Pumps** **Pulse Oximeters**

When multiple devices require alarm connection, turn to our **Nurse Call Input Multiplier**. This unique product uses a single jack at the headwall and expands it to allow three separate device inputs for alarm monitoring.

Imaging

Our products on ultrasound carts...

MAGUIRE makes it simple for the ultrasound technician to acquire the patient's ECG signal from the bedside, anesthesia, or defibrillator monitor (as opposed to acquiring the signal by connecting a separate set of ECG patient cables). By equipping each ultrasound cart with the desirable interconnect/slave cable, you are better positioned to quickly connect, investigate, and diagnose.

Ultrasound interconnect/slave cables are available for connection between popular Stress Tester/Treadmills, Cardiac Imaging Devices and Patient Monitors.

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Emergency

Our products in Emergency/Trauma areas...

The use of our products in the Emergency and Trauma department is directly related to the implementation of the manual external defibrillators. When responding to a code event, an interconnect/slave is useful because it quickly provides the defibrillator with the ECG signal displayed at the bedside monitor.

For the facility that utilizes the defibrillator for transport, we offer products that allow the patient cable at the bedside to be used with the defibrillator input. This convenience helps to promote standardized connections across care areas.

Our connections for the Emergency/Trauma department include:

1. **Defibrillator interconnect/slave cable:** links the ECG output of the bedside monitor to the ECG input of the defibrillator for a slaved remote display of signal and waveform.
2. **Defibrillator input Adapter:** connects to the ECG or IBP input of the defibrillator and allows the device to accept a GE Healthcare or Philips Healthcare patient cable.

Summary:

In the absence of interconnect cables, multipliers, and adapters, each piece of monitoring equipment must be connected to the patient via separate cables, electrodes, and pressure transducers.

In contrast, MAGUIRE's methods for efficient equipment integration delivers matching waveform displays, reduced numbers of tethered patient cables, and an overall reduction in cable clutter.